

CONVAIR Weekly Log

January 11, 1982

Published by the Convair Division of General Dynamics

Congressional Visitors Tour Convair Programs

Several members of the House Science and Technology Committee visited Convair on January 7. The group included committee chairman Don Fuqua, D-Fla., and congressmen Ronnie Flippo, D-Fla., Bill Lowery, R-Ca., Cap Hollenbech, R-N.J., Bob Young, D-Mo., and Harold Volkmer, D-Mo.

Bill Rector, vice president and program director of Space Programs, briefed the congressional guests on the Shuttle/Centaur program. Dr. Ray Beuligmann, program director for Energy Systems, briefed the visitors on advanced isotope separation and fusion systems. After the briefings, the congressional group toured the Atlas/Centaur assembly area at Kearny Mesa.

Atlas/Centaur 55 Successfully Launches Intelsat V

On December 15, 1981, the Convair-built Atlas/Centaur 55 successfully placed the third Intelsat V communications satellite in geosynchronous transfer orbit. This was actually the 58th Atlas/Centaur launch — vehicle numbers and launch numbers do not always coincide. In terms of consecutively successful launches, it marked the 39th for Centaur alone, and the 16th for the Atlas/Centaur combination since the last unsuccessful launch in 1977.

Atlas/Centaur No. 58 is currently at Cape Canaveral in preparation for the next Intelsat V launch in early March. Vehicle No. 60, still in the assembly area of building 5, will be shipped to Florida late this month for another Intelsat V launch in May.

Four more Atlas/Centaurs are in production for Intelsat, with additional orders expected soon from both Intelsat and from the Air Force for the FLTSATCOM program. The production of these vehicles will proceed in conjunction with five Atlas H vehicles for use by the USAF from Vandenberg AFB.

Dr. Buchanan Presents State of the Division Jan. 28

Dr. Buchanan will talk about Convair's present and future programs in his State of the Division address at the January 28 dinner meeting of the National Management Association Convair Chapter. The meeting is scheduled for the Sheraton Harbor Island Hotel with the social hour beginning at 5 p.m. and dinner at 6:30. Tickets are available from NMACC boosters: \$5.50 for members and \$7 for nonmembers.

Time Cards Are All New For '82

If you did not receive one, brochures with complete instructions about using the new time cards are available from the timekeeping offices at KM 2861 (building 4, column A1, next to the mailroom), and LF 8626 (building 1, 2nd floor mezzanine, between columns 3 and 4). It is vital that the new time reporting cards be handled according to the instructions so that entries are correct and cards are delivered on time.

Departmental and/or group secretaries can help by reviewing timecards and coaching people in their use.

Congressman Whitehurst Visits Convair

Congressman G. William Whitehurst, R-Virginia, visited Convair on January 6. A member of the House Armed Services Committee, Rep. Whitehurst expressed interest in both the cruise missile and Shuttle/Centaur areas. The Congressman has been touring various aerospace industries along the West Coast to review the latest advancements in the defense industry.



With vertical launch tube assembly are employees from departments that participated in its design and development.

Tomahawk Inert Test Vehicle Successfully Launched

On December 9, 1981, the Tomahawk inert test vehicle (ITV) was successfully launched from a static underwater launch tube (shown above) submerged at a depth of 110 feet off San Clemente Island. The test was the first underwater launch of the San Clemente test series using the Convair launch tube assembly, simulating the submarine launch tube and fire control systems, and the Westinghouse capsule launcher subsystem (CLS), including its shock mitigation and gas ejection generator systems.

According to Jean Malthaner, SSN 688 VLS program manager (Dept. 117), all of the test objectives were met and all prerequisite data obtained to permit progression into the dynamic launches simulating launch from moving submarines. Congratulations to all personnel working on this program for a job well done.

Reminders For Easy Account Opening at Credit Union

Over 1,800 Convair employees have joined Point Loma

Federal Credit Union since membership became available to us. The following are a few reminders to keep the account-opening process going smoothly.

- 7/24 Cash Cards (for automatic teller machines) are available for *both* deposit in and withdrawal from a Point Loma checking account, and for deposit *only* to a regular savings account.
- It is necessary to complete and return to the PLFCU both the payroll deduction card, which authorizes the Payroll Department to make the deduction, and the distribution card, which tells the credit union how you wish the funds applied to your account(s).
- Any change you wish to make in the distribution of your funds should be phoned to the PLFCU Accounting Department (226-1630) to ensure proper change.
- Membership applications must include the initial \$5 deposit and \$5 membership fee (\$10 total).



Manufacturing Engineering Employee of The Month
Carl Springfield was chosen Manufacturing Engineering employee of the month for November, 1981. Mr. Springfield is shown above with Henry Hyman (at left), director of Manufacturing Engineering and Ben Caminski, manager of Manufacturing Technology. Springfield received a certificate in recognition of his efforts that reduced the rework on the Boeing 767 fairing by 55 percent.



From left, Max Guess, supervisor, Manufacturing Control; Ed Squires, vice president, Production; Steve Baillif, shop load analyst and recipient of employee suggestion award and check; Dave Cormany, director of Manufacturing Control; and Don Dvorak, supervisor of Manufacturing Control.

Steve Baillif's Suggestion Pays \$2,370

Steve Baillif, shop load analyst for Dept. 225-2, was recently awarded \$2,370 for his employee suggestion to change the identification stamping method to prevent resultant cracking in the Boeing "duckbills." (Duckbills are stainless steel fittings for attaching 767 struts to the aircraft.) This is a good example of a simple solution producing a large payoff.

Steve observed that the continuous indentation of stamping identification (using continuous lines of letters and numerals) in the stainless steel duckbills was causing cracks in the material after heat treat. His suggestion was to compression stamp the identification with a series of dots appearing much the same as a computer prints letters and numbers. Result — the dots did not cause cracks. Thanks, Steve, for a great idea. It's an inspiration to all of us.

In-plant Training For Tool Design Openings Offered

To meet the company's upcoming need for tool designers, Convair is offering qualified employees the opportunity to apply for an in-plant course in tool design. (See article on bulletin boards for qualifications.) Instruction will consist of six weeks of classroom activities (40 hours per week) followed by 16 weeks of on-the-job training.

Interested applicants must attend one of these briefing sessions.

| Date | Place | Time |
|------------|---------------------------|-----------|
| January 13 | LF building 14 auditorium | 3:45 p.m. |
| January 14 | KM building 17, room 3 | 3:45 p.m. |

For additional information, call Norvell Freeman at LF employment office, ext. 8608, or Wayne Turner, LF educational services, ext. 8564.

Corporate Stock Plan Values For November '81

Here are unit values in dollars for the General Dynamics savings and stock investment plan for November.

| | 1979 | 1980 | 1981 |
|-----------------------|------------|------------|------------|
| Salaried | | | |
| Government bonds | \$ 2.2579 | \$ 2.4446 | \$ 2.8071 |
| Diversified portfolio | 1.5903 | 2.2079 | 2.1371 |
| Fixed income | 1.0393 | 1.1448 | 1.2718 |
| Hourly | | | |
| Government bonds | 2.2579 | 2.4424 | 2.8045 |
| Diversified portfolio | 1.6272 | 2.2528 | 2.1824 |
| GD Stock | \$23.7100* | \$40.3750* | \$22.2500* |

*Reflects 2-for-1 stock split of November 1980.

Noon Movie — Energy: Finding The Way

Filmed on location around the world, this movie underlines the need to renew nature's energy resources while new energy sources are being explored.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Reminder: \$1 Eye Examination Expires Jan. 15

The \$1 eye examination, offered by the Group Vision Program during the Christmas holidays, expires on January 15.

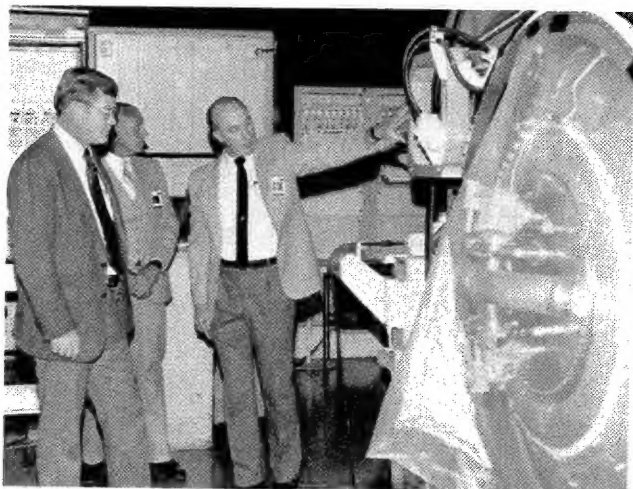
Employment

For the week ending December 27, employment was 8,172.

CONVAIR Weekly Log

January 18, 1982

Published by the Convair Division of General Dynamics



Discussing the Centaur high-energy upper stage, are from left, Col. Earl S. van Inwegen, deputy director of Space, Hq USAF; Doug Heydon, director of Space Programs Marketing; and Howard Bonesteel, manager of Atlas/Centaur Programs.

Space Programs Hosts USAF Visitor

On Dec. 21, 1981, Col. Earl S. van Inwegen, deputy director of Space, Hq, USAF, was briefed on all major Convair space programs by W.F. Rector III, vice president and program director of Space Programs, and his staff.

Adherence to Security Procedures Required

During our recent security inspection by representatives of the Defense Investigative Service (DIS), three serious deficiencies were discovered that stress the importance of adhering to proper security procedures. The DIS found confidential documents on a desk while the responsible person was away for lunch; unescorted and improperly cleared visitors were noted in a restricted area while classified material was exposed on many of the desks in the room. Classified waste documentation was found in an unapproved area while being held for destruction.

- Be sure that all classified material is properly secured when not in actual use.
- All employees working in a Restricted Area should be aware of their responsibility to challenge the level of clearance and need-to-know of all visitors to the area. Individuals not meeting the security requirements should be denied access, or kept under constant escort.
- Classified information, including waste material, should be secured in approved containers.

Remember — security is *your* responsibility.

Dr. Buchanan to Speak at NMACC Dinner Jan. 28

Dr. Buchanan will present his state of the division address in the Sheraton Harbor Island Hotel at the Jan. 28 dinner meeting of the National Management

Association Convair Chapter. The social hour begins at 5 p.m. and dinner at 6:30 p.m. The cost is \$5.50 for members and \$7 for nonmembers. See your CMA booster for tickets and details.

To Greater San Diego Health Plan Members

It is extremely important that you identify yourself as an enrollee of the Greater San Diego Health Plan *every time* you receive medical care. Please do not assume that a physician or a lab technician will remember that you are a Plan member, even if you receive such medical care regularly. Despite their best intentions, people forget!

In the absence of proper identification, you may receive a direct bill from your physician or provider of service. This can be avoided by identifying yourself clearly from the beginning. Be sure to state specifically that you are a General Dynamics Convair employee and have insurance with the Greater San Diego Health Plan, not simply group insurance.

Vice Adm. Walters Reviews Tomahawk Program

Vice Admiral R. L. Walters visited Convair on Jan. 11 for a Tomahawk cruise missile program review. Admiral Walters is the deputy chief, Naval Operations for Surface Warfare (NOP-03). Accompanying the admiral was Capt. Robert Klementz, program manager of Ship Launch Programs for the JCMPO. Included in the program review was a tour of the cruise missile production facility at Kearny Mesa and the Armored Box Launcher (ABL) operation at Air Force Plant 19.

Professional Development Courses Offered Jan. 26

First-line supervisor program course 5, "Developing Employee Performance," is being offered by NMA Convair Chapter at Lindbergh Field, Tuesday, Jan. 26, from 4 to 6 p.m. in building 14, classroom 4. Course fees are \$10 for NMACC members (refundable upon successful completion) and \$14 for nonmembers. Register with Michael Brownstein at LF 8612. Attendance is limited.

This same course will be offered at KM in February.

Certified Manager Course Starts Jan. 18

Personal Skills for the Manager is one of three management courses offered to help you prepare for the Certified Manager exams. The seminar, will cover communication, creativity, ethics, government regulation, and time management. The facilitator will be Will Buxton, certified manager, and the sponsor is the NMA Convair Chapter.

The course will be held from 4:30 to 6:30 p.m. on eight Mondays, starting Jan. 18 at Lindbergh Field in the 767 Strut conference room (mezzanine of building 4). The cost is \$10 for NMACC members (refundable upon course completion) and \$14 for nonmembers. Enrollment is limited to 20 persons. Register with Will Buxton at LF 8033.

These People Retired In December

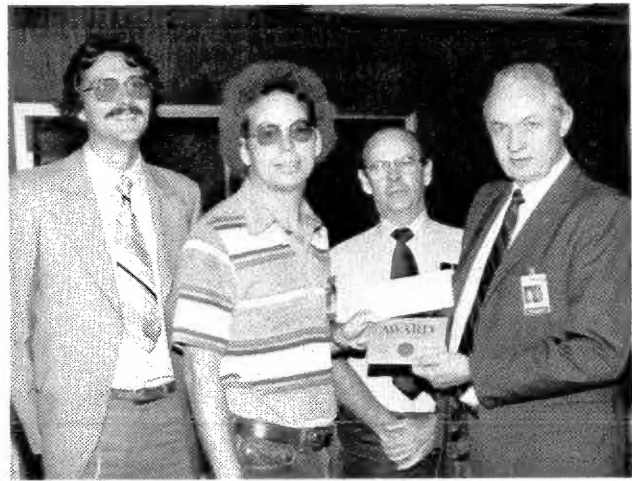
Convair's thanks and best wishes go with each of these employees who retired last month.

| Name | Department | Years of Service |
|----------------------|------------------------------------|------------------|
| George T. Adams | Paint Shop & Processing | 38½ |
| Harold S. Alderman | Experimental | 31 |
| Cayetano Andrade | Machine Shop | 36 |
| William Arends | Machine Shop | 40 |
| A. William Bailey | Manufacturing Control | 40 |
| Jewell H. Bonner | Manufacturing Control | 36½ |
| Robert E. Bowman | Low Rate Production Facility | 41 |
| James A. Carrieres | Assembly Section C/D | 39½ |
| Nina D. Damasco | Data Entry — WC | 12 |
| Frank Eramo | Manufacturing Engineering Aircraft | 41 |
| Clifford J. Eskew | Atlas Final Assembly | 32½ |
| Raymond Garcia | Transportation Garage | 30 |
| John L. Green | Plant Protection — Guards | 14 |
| Virginia M. Harris | Retirement Accounting | 32 |
| Verna S. Hathaway | Financial Accounting | 30 |
| Martin R. Hawley | Tomahawk — Factory Support | 27 |
| Arthur E. Holzman | Management Systems | 21 |
| Robert D. Horwitz | Peculiar Support Equipment | 30½ |
| Hector Islava | Atlas Final Assembly | 33½ |
| Walter R. Kelleaney | Production Control | 33 |
| David D. Klinger | Tool Manufacturing Primary | 41 |
| Francis W. Langer | Aerotest Engineering | 22 |
| Ophelia F. Lopez | Planning Control | 21 |
| Mary A. Maxted | Stockroom | 24 |
| Kenneth N. McCarty | NASA Launch Operations | 24 |
| Albert J. Martino | Tool Manufacturing Primary | 41 |
| Martin W. Montgomery | Automatic Drafting Machine Room | 40 |
| Orville E. Neal | Material Accounting | 20 |
| Milton C. Nesbit | Inspection Cruise Missile | 46 |
| Patricia S. Ochiuto | Graphic Reproduction | 22 |
| Joseph E. Parent | Machine Shop | 29 |
| Benjamin Perry | Custodial Services | 17 |
| O. Carl Priest | Configuration Management | 40 |
| M. C. Roberts | Custodial Services | 25 |
| Daniel Rodriguez | Scientific Operations — WC | 31 |
| Henry W. Schleibaum | Maintenance Operations | 25 |
| Marie E. Sorman | Structures Analysis | 24 |
| Charles E. Stayer | Low Rate Production Facility | 39 |
| Joseph E. Stengel | Cruise Missile Test Planning | 28 |
| Jesse L. Trenton | Material Estimating | 33 |
| Julia J. Urban | Engineering Services | 24 |
| John H. Weiland | Tool Manufacturing & Die | 41 |
| Richard A. Wilson | Space Systems | 24 |
| Ann C. Yoakum | Shortage Coordination | 34 |
| Andrew W. Young | Boeing Strut Subassembly | 38 |

From the CRA

Ham Club Offers Novice Class. The CRA Amateur Radio Club is announcing its first novice class for 1982. Classes began on Tuesday, Jan. 12, at 7 p.m., and are continuing each Tuesday for ten weeks in the CRA clubhouse, room A. The fee is \$10 per student. A note of encouragement: no previous radio or electronics knowledge is required, just a desire to learn and succeed. An additional class for Technician and General Class license aspirants will also be held if sufficient interest is shown. Contact Joan Samuels (292-7692) or Harvey Hiller (KM 6255) for additional information and class sign-up.

Convair Caps on Sale at CRA. Convair caps, like those given free at the recent Convair open house, are now on sale at the KM CRA clubhouse and the LF sales desk in building 16 for only \$3.50 each, including tax. If you missed the open house or need a few extra caps for family or friends, visit the KM clubhouse Monday through Friday, 9 a.m. to 1 p.m. and 2 to 5 p.m., or the LF sales desk Tuesday and Thursday, 8 a.m. to 4 p.m., and pick up as many as you like.



Danny Duckworth receives a \$2,400 employee suggestion check from Bill Wise, manager of Operations. Rick Spiking, supervisor (left), and general supervisor Bob Graham join in the presentation.

Employee Earns \$2,400 Check

Mechanic Danny Duckworth (Maintenance, Dept. 253-3) recently received a hefty employee suggestion check. Danny, responsible for maintaining numerical control equipment, suggested a procedure to reduce the amount of compressed air used on computer-controlled milling machines. The machines had air blowing on positioning racks 24 hours a day, but Danny suggested that the computer control the air line so that it would turn on only when air was needed. This procedure reduced air consumption by 80 percent.

Keep the Heat Inside

Our total utilities bill for November was \$974,741. Electricity cost \$758,425, natural gas \$179,324, and water \$36,992. When the heat is on, keep doors and windows closed and set the thermostats no higher than 65°F. At the end of the day, make sure your doors and windows are closed. Keep the heat inside.

Editor's Note

As a weekly log, the Bluesheet provides Convair employees with information about people, products, and happenings. Because of the volume of articles submitted by employees each week, we ask that you submit your article *well written, concise, and typed*. Any questions regarding submission of articles should be directed to: Bluesheet coordinator, KM 2313, mail zone 11-1331.

Noon Movie — A Gift for All Seasons

"A Gift for all Seasons" is a film describing activities of the Salvation Army.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Attention, all movie buffs! We need a volunteer projectionist for the 11 a.m. Wednesday showing at Kearny Mesa. Are you interested? If so, please call Bruce Miller, KM 2813.

Employment

For the week ending January 10, employment was 8,200.

CONVAIR Weekly Log

January 25, 1982

Published by the Convair Division of General Dynamics



GLCM Transport Tractors Arrive For Tests

Two M.A.N. tractors were delivered to Convair from the Utah Test and Training Range by an Air Force crew last week. The M.A.N. tractors are the designated operational tractors for GLCM transporter erector launcher (TEL) and Launch Control Center (LCC). These tractors, scheduled to remain here for about one month, will be camouflage painted and involved in compatibility demonstrations with the early TELs and LCCs. At the conclusion of Convair test operations here, the tractors will transport the TEL and LCC to the Utah Test and Training Range for the next GLCM flight (T72:1), presently scheduled for February.

DC-10 Assy & Tool Mfg Win Safety Contest

Congratulations to employees and supervisors in Departments 044 (DC-10 Assembly, Section E) and 451 (Tool Manufacturing-Primary Tooling), winners of the General Dynamics Safety Contest. Operations general supervisors for these departments are Chuck Baker (Dept. 044) and Ed Leep (Dept. 451). No serious medical case injuries were recorded in these departments throughout 1981. This is a direct reflection of a good safety program that supervisors and employees maintained on a daily basis. The Safety Department (131-4) will host a picnic for the above departments employees and members of their families in the spring.

Flight Operations Phone Numbers Are Changed

To provide better service to its users, Flight Operations (Lindbergh Field) has changed over to the Centrex phone system and previous extensions have been disconnected. Please note the new numbers.

| | |
|---|------|
| Aviation Manager | 5859 |
| Dispatch (aircraft scheduling) | 5869 |
| Administration and passenger waiting room | 5879 |
| Aircraft maintenance | 5889 |

Don't Miss State of the Division Jan. 28

Just a reminder that Dr. Buchanan will present his State of the Division address in the Sheraton Harbor Island Hotel at the January 28 dinner meeting of the National Management Association Convair Chapter. Ample parking is available at the west end "Portola" entrance.

New Leave of Absence Forms Available

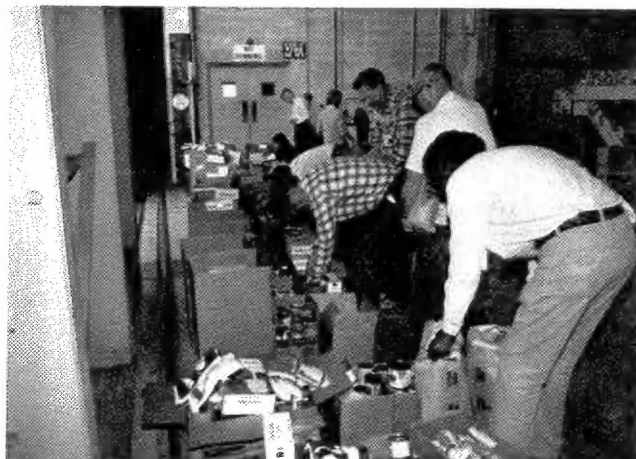
Forms Management announces that new leave of absence forms are now available in Commercial Stores.

1. Material No. 321-976224, Form 6000, Hourly Leave of Absence, unit - set
2. Material No. 321-976510, Form 6000-1, Salaried Leave of Absence, unit - set

Order the above on Form A4003 Commercial Stores requisition and send to MZ 83-2441.

Cardiopulmonary Resuscitation Training Class

Gene Konishi, Convair fireman, will be holding a class for renewal and certification in CPR. Please register with Marion at KM 1778 (Tue., Thur.) and at LF 5667 (Mon., Wed., Fri.). Reservations are limited to 20, so please do not reserve a space if you are not certain to attend. Employees, friends, and family are all invited. Both nights must be attended for certification and renewal: February 5 and 11, 5-9 p.m. in the KM cafeteria. Refreshments will be provided by CMA sponsors.



Convair ETR employees are shown packaging food for needy families they sponsored at Christmas time.

ETR Christmas Program Aids Needy Families

The 1981 Convair Eastern Test Range Employees' Christmas program was an outstanding success because of the efforts and support of all Convair ETR (Dept. 979) employees. The program received donations of \$2,645, including \$250 by Local Lodge 610 of the International Association of Machinists and Aerospace Workers, \$50 from the International Brotherhood of Electrical Workers, and \$100 from the National Management Association, Cape Canaveral Chapter.

The cash was used to purchase food which was distributed to 23 needy families, selected and sponsored by Convair ETR employees.

NMACC Offers Business Game at Lunch Time

Have you ever thought about buying and selling large companies and businesses during your lunch hour? It is now possible for you to do so, thanks to the NMA Con-

vair Chapter, which is sponsoring the Andlinger Business Game. Meetings will begin February 1 and continue each Monday and Wednesday for eight weeks from 11:45 a.m. to 12:30 p.m. in KM building 26, second floor conference room, col. H13. Open to all Convair employees, the group is limited to 24 people. A \$5 registration fee will be refunded to NMA members upon completion of the course. A CEU credit of 0.8 and a certificate will be given. To enroll, contact Helen Haltmeier at KM 3357, MZ 22-6600.

General Dynamics Private Party at Disneyland Mar.13

All General Dynamics families and their friends are invited to our annual party at Disneyland from 8:30 p.m. to 1:30 a.m. on Saturday, March 13, 1982. The price is \$7 per person (children under two are admitted free). This includes unlimited use of all attractions (except shooting galleries), plus bands, shows, and parking.

Tickets are on sale now (sorry, no payroll deduction this year). The bus fee will be \$9 per person. For more information, call Jody at LF 8142. For tickets contact:

Kearny Mesa Plant

| | | |
|-----------------|------------------------------|------|
| CRA Clubhouse | KM Missile Park | 1111 |
| Shirley Nowlin | Bldg. 3, col. C-9, 1st floor | 1163 |
| Barbara Cranmer | Bldg. 3, 3rd floor | 2869 |
| Ed Cox | Bldg. 4, col. F-6 | 3670 |
| Phyllis Miller | Bldg. 5, col. K-9 | 1729 |
| Kim Wold | Trailer No. 3 | 1354 |

Electronics Division, All Plants

George Ryan 6393

Lindbergh Field Plant

| | | |
|------------------|-------------------------|------|
| Marge Brown | Bldg. 1, col. A-14 | 8650 |
| Phyllis Harris | Bldg. 3, col. B-13 | 8189 |
| Jody Manuel | Bldg. 7, col. Y-34 Mezz | 8142 |
| Jane Keaton | Bldg. 16, Safety Office | 8186 |
| Vivian Scroggins | Bldg. 53 | 8058 |

Air Force Plant 19

| | | |
|--------------|--------------------|------|
| Ruth Lindsay | Bldg. 2, col. E-18 | 8213 |
|--------------|--------------------|------|

NMACC Scholarship Applications Available

Application forms for the National Management Association Convair Chapter scholarship program are now available. Here are the eligibility requirements: applicants must be high school seniors, graduating this June or recent graduates; applicants must be in the upper third of their class; a parent or legal guardian must work at Convair or Western Center at the time of application. The scholarship program is open to qualified students, and membership in NMACC is not a requirement for the parent or legal guardian. Deadline for submitting applications is March 31, 1982.

Forms can be picked up at LF, Educational Services, building 16, or KM, Educational Services, building 17, northeast corner.

Professional Development Courses to Be Offered

"Managerial Leadership" is a four-week course to be held on consecutive Wednesdays beginning February 3. The instructor is George Brown. The course will be held in Lindbergh Field's Boeing Conference Room, Building 4, from 4 to 6 p.m. Key topics will include the leadership process, motivation, selecting a leadership style, and leadership attitudes.

Sponsored by the NMA Convair Chapter, the course fee is \$7 (refunded to NMA members on course completion). Register with Mike Brownstein at LF 8612.



Carlos Diz (Dept. 434) was chosen as Manufacturing Engineering employee of the month for December. Diz is pictured above with Henry Hyman, director of Manufacturing Engineering. Carlos received a certificate for his assistance in developing the guidelines of the I20-20 team and implementing the I20-20 charts that identified all proofing results for functions. (The I20-20 is a department instruction that covers the approval and acceptance of a numerical control tape.) As a result of this effort, proofing time and the number of proofs have been lowered dramatically.

From the CRA

Weight Wizards. The CRA Health Fitness Center is sponsoring a ten-week weight-loss program beginning Feb. 3. The instructor of the class is Candy Cummings, registered dietician, author of *Eater's Guide: Nutrition Basics for Busy People*, a recent guest of the Merv Griffin show, and a contributor to *San Diego* magazine. The class will meet each Wed., 4:30-6:30 p.m., in room A of the CRA clubhouse. Sign up at the Health-Fitness Center or call KM 1111 for more information.

1982 Shape-Up Program. Begin the New Year with a fitness resolution to shape up. This is a complete program of exercise, nutrition, and stress management that includes workshops and two fitness profiles. Classes start Monday, Feb. 1. Call KM 1111 for more information.

Noon Movie — 'The Western Coal Connection'

"The Western Coal Connection" shows how the energy crisis has produced a renewed interest in the use of coal to meet a part of our energy needs. This movie details the important role that Burlington Northern, as one of the largest rail transporters of coal, is playing in meeting this challenge. The new Gillette-Orin line and its construction is one of the highlights of this program.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Note

If the 11 a.m. movies are to continue at Kearny Mesa, a volunteer projectionist is needed. If you are interested, please call Bruce Miller, KM 2813.

Employment

For the week ending January 17, employment was 8,227.

CONVAIR Weekly Log

February 1, 1982

Published by the Convair Division of General Dynamics

GLCM Training Sessions Underway, SLCM Training Planned

Since August of last year, the Integrated Logistic Support (ILS) training section has been training Air Force personnel assigned to the GLCM weapon system test team. To date, over 100 Air Force and civilian personnel have attended 16 separate courses taught by ILS. These courses provide training for Air Force personnel in the operation and maintenance of the GLCM weapon system: transportation, operation, ordnance disposal, maintenance, and repair.



Verril Martin, crane rigger (Dept. 250-5, Transportation), and Air Force personnel prepare a cruise missile for transport.

Formal curriculum development is planned to support the submarine operations evaluation (OPEVAL) program. Several courses are being written and are in various stages of development. Factory training for the Tomahawk Organizational Maintenance (Submarine) is currently planned for the second quarter of 1982 at Service School Command, Naval Training Center, Orlando, Florida. Training courses in support of intermediate-level maintenance and Tomahawk test missile (TOTEM) are also being planned.

North Atlantic Assembly Members Visit Convair

The Subcommittee on Defense Cooperation of the Military Committee of the North Atlantic Assembly visited Convair on Tuesday, Jan. 26, 1982, for program briefings.

The Assembly was formed in 1955 and has as its goals, strengthening cooperation among the countries of the Alliance, helping governments to appreciate the Alliance viewpoint when initiating legislation, and encouraging a feeling of solidarity in national parliaments. The North Atlantic Assembly's 172 members are appointed by their respective parliaments, and provide a forum for North American and European parliamentarians to meet and discuss problems of mutual concern.

The Assembly organizes annual tours in Europe and North America for member parliamentarians. These tours, like the one to Convair, are mainly of military installations and defense contractors and are intended to give parliamentarians a first-hand view of the problems associated with Atlantic defense.

COMSUBPAC Members Visit Convair

On Wednesday, Jan. 27, five members of the Naval submarine user community (COMSUBPAC) were given a Tomahawk program status briefing and tour of our missile production facility at the Kearny Mesa plant. The representatives were led by Capt. Robert B. Osborne, Assistant Chief of Staff for Tactical Weapons (COMSUBPAC), Pearl Harbor, Hawaii, and included Fire Control Officer Lt. J. Greenert, Tactical Weapons Certification Team member Lt. D. Gallaher, Cruise Missile Weapons Assistant Lt. (jg) M. Vermetti, and Naval Science Advisor to SUBPAC, Mr. J. Krantz.

From Your Point Loma Credit Union

When you register for your payroll deduction, please remember to send the authorization card directly to Point Loma Federal. If you are already a member of the Credit Union and want to change the distribution of funds going to your account(s), you should also contact the credit union directly. However, to change the amount of your payroll deduction, you need only to contact Convair's Employee Benefits office.

Only a Point Loma 7/24 Cash Card will allow you to transact business on your Point Loma account(s). Other 7/24 cards issued in connection with accounts at other financial institutions will not access your Point Loma account(s).

First General Dynamics Interdivisional Quality Circle Leader Training Seminar Held Here

Convair hosted its first General Dynamics Interdivisional Quality Circle Leader training seminar on Jan. 21 and 22. Future Quality Circle leaders and facilitators from Convair, Data Systems, DatagraphiX, and Electronics learned Quality Circle techniques which can improve teamwork, communication, and problem solving. Quality Circles are groups of five to ten volunteers from the same work area who meet for one hour a week during working hours to discuss, analyze, and solve work-related problems. The objectives of Quality Circles are to promote employee participation in problem solving and decision making, develop effective manager/worker relationships, improve teamwork and communication, and enhance quality. Convair currently has four Circles in operation and plans to begin four more in February.

If you have any questions about the Quality Circle program, call Educational Services at KM 2256.



From left to right are Bruce Marshall (Convair), Jose Rodriguez (Convair), Nadine Prior and Connie Gruber (Western Center), Jack Farnan (Convair), and Patrick Dean (Electronics).

EAA Graduates Its First Apprentice

George Gonzales received his journeyman certificate and graduation pin, Tuesday, Jan. 19, from Henry Hyman, Director of Manufacturing Engineering. George is the first graduate of the Engineering & Architects Association (EAA) apprenticeship program which began in 1978. His outstanding performance in the apprenticeship program earned him an early graduation and a position as a Tool and Operations Planner Sr. in Dept. 431.

In addition to the EAA's new program, the International Association of Machinists (IAM) has had an active apprenticeship program at Convair since 1942.



George Gonzales (left) receives journeyman certificate from Henry Hyman, Director of Manufacturing Engineering.

"Conversations with Management" Resume

The NMA Convair Chapter will be conducting the "Conversations with Management" program again this year. Open to all Convair employees, there will be 12 one-hour sessions, 4:40 to 5:30 p.m., held at Kearny Mesa. Each session will feature an executive staff member who will deliver a brief presentation and then participate in a question-and-answer period. Space is limited, so register early. Watch the Bluesheet for a schedule and further information.

Savings and Stock Plan Values for December

| Salaried | 1979 | 1980 | 1981 |
|-----------------------|------------|------------|-----------|
| Government Bonds | \$ 2.2795 | \$ 2.4964 | \$ 2.7892 |
| Diversified Portfolio | 1.6217 | 2.1720 | 2.0894 |
| Fixed Income | 1.0474 | 1.1547 | 1.2834 |
| Hourly | | | |
| Government Bonds | 2.2796 | 2.4943 | 2.7866 |
| Diversified Portfolio | 1.6596 | 2.2163 | 2.1335 |
| GD Stock | \$30.2500* | \$42.7500* | \$24.5000 |

*Reflects 2 for 1 stock split of November 1980.

Professional Development Courses Offered

Feb. 9 & 16

The First Line Supervisor Program course 5, "Developing Employee Performance," is being offered by NMA Convair Chapter at Lindbergh Field, Tuesday, Feb. 16, from 4 to 6 p.m. in building 14, classroom 5. The Kearny Mesa class will be held Tuesday, Feb. 9, from 4:30 to 6:30 p.m. in building 5, mockup conference room A. In-

structors will be Tom Ashcraft (LF) and Dennis McColl (KM). Course fees are \$10 for NMA members (refundable upon successful completion) and \$14 for nonmembers. Register with Helen Medeiros at KM 6341 or Julie Kent at LF 8311. Sign up today, attendance is limited.

General Dynamics Private Party at Disneyland Mar.13

All General Dynamics families and their friends are invited to our annual party at Disneyland from 8:30 p.m. to 1:30 a.m. on Saturday, Mar. 13, 1982. The price is \$7 per person (children under two are admitted free). This includes unlimited use of all attractions (except shooting galleries), plus bands, shows, and parking.

Tickets are on sale now (sorry, no payroll deduction this year). The bus fee will be \$9 per person. For more information, call Jody at LF 8142.

Kearny Mesa Plant

| | | |
|-----------------|------------------------------|------|
| CRA Clubhouse | KM Missile Park | 1111 |
| Shirley Nowlin | Bldg. 3, col. C-9, 1st floor | 1163 |
| Barbara Cranmer | Bldg. 3, 3rd floor | 2869 |
| Ed Cox | Bldg. 4, col. F-6 | 3670 |
| Phyllis Miller | Bldg. 5, col. K-9 | 1729 |
| Kim Wold | Trailer No. 3 | 1354 |

Electronics Division, All Plants

George Ryan 6393

Lindbergh Field Plant

| | | |
|------------------|-------------------------|------|
| Marge Brown | Bldg. 1, col. A-14 | 8650 |
| Phyllis Harris | Bldg. 3, col. B-13 | 8189 |
| Jody Manuel | Bldg. 7, col. Y-34 Mezz | 8142 |
| Jane Keaton | Bldg. 16, Safety Office | 8186 |
| Vivian Scroggins | Bldg. 53 | 8058 |

Air Force Plant 19

| | | |
|--------------|--------------------|------|
| Ruth Lindsay | Bldg. 2, col. E-18 | 8213 |
|--------------|--------------------|------|

See 'Man of La Mancha' at Lyric Dinner Theatre. Enjoy an evening of good food and fine entertainment on Saturday evening, Mar. 6, at the Lyric Dinner Theatre in La Mesa. A buffet dinner begins at 6:30 p.m., with the show following at 8:30 p.m. Tickets, at \$16.00 each, are available through Cissy (KM 6361). All reservations must be made by Feb. 12. This NMA Convair Chapter-sponsored event is open to all Convair employees, families, and friends.

Keep Up with CRA News, Get The "Green Sheet." For articles containing specific information about events, classes, discounts, club activities, and other CRA news, look for the "Green Sheet." The CRA newsletter is distributed every other Monday. Pick up your copy at any plant gate, the cafeteria, or the CRA clubhouse.

Noon Movie — 'South From Valdez'

Details were unavailable on this Exxon-produced film. At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at noon. There will not be an 11:00 a.m. showing at KM because no projectionist is available. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending Jan. 24, employment was 8,286.

CONVAIR Weekly Log

February 8, 1982

Published by the Convair Division of General Dynamics



Experimental Bench crew with GSE platforms.

Shuttle Ground Support Platforms Pass Acceptance Testing

Fabrication and testing of ground-support platforms for the space shuttle were recently completed in Dept. 031, Experimental Bench. The platforms and supports are made up of interlocking subassemblies and are used as walkways during maintenance and repair of the shuttle. All assemblies passed acceptance testing with flying colors. Congratulations on an outstanding performance.



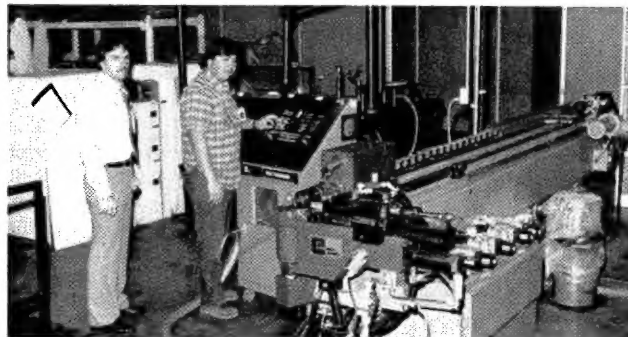
Tool Engineering & Manufacturing Shatters Cost Reduction Target

Each year Tool Engineering and Manufacturing sets cost-reduction targets. The \$2.5 million target set for 1981 was easily met and exceeded, an outstanding achievement. Congratulations are in order to these employees who submitted employee suggestions and cost reduction proposals that netted a savings in excess of \$4 million. The employees and supervisors pictured above represent Tool Manufacturing, Tool Control, and Tool Service & Tool Design.

Dr. Buchanan to Receive Gold Knight of Management Award

Dr. Leonard Buchanan will receive the Gold Knight of Management award at the San Diego National Management Association Council meeting on Feb. 17, at the Bahia Hotel. Jack Marsh will speak about the American free enterprise system and the dangers that threaten it. A no-host cocktail bar begins at 5:15 and dinner at 6:30 p.m.

The price is \$8 for members and \$11 for nonmembers. See your booster for tickets.



New NC Tube Bender in Dept. 733 Speeds Production

Jim Martin, Operations Supervisor, Department 733, and Gilbert Lopez, Group Leader (pictured above), watch the first lot-size run of Boeing tubes come off Convair's new Vector numerical control (NC) tube bender. This newly acquired equipment gives repeatable accuracy by transfer of operator skill to the machine from a cassette tape on which can be stored bend data for 600 tube configurations.

Time savings experienced are approximately 70% compared to manually operated tube bending machines.

Pride Makes the Difference

Congratulations to the 359 Convair employees whose outstanding accomplishments during 1981 were recognized with EXCEL awards. The effort and attitude demonstrated by these people is of essential importance to the continued success of Convair. Kudos to the award recipients and also the many other exceptional Convair employees who are EXCEL-ling in their jobs every day.

Entrance to Cruise Missile Assembly Area Limited to Workers with Daily Need for Access

The Cruise Missile Assembly area, building 5, is now a secured area. Unlimited access badges will only be issued to employees who have a daily need to perform work in the enclosed assembly area. All others must clear through the Visitor Center at Col. D-8.

Since there will be no through traffic in the Final Assembly area, all badges issued to employees without daily need for access are being recalled. Employees with access badges to the Cruise Missile assembly area are not to allow others to use their badge for entrance.

KM Maintenance Dispatch Calls Now Go to LF Number

Effective today, Feb. 8, the Kearny Mesa Maintenance Dispatch phone number will be changed over to the Lindbergh Field Centrex phone system. The new Maintenance Dispatch phone number for Kearny Mesa will be 8601. When calling from Kearny Mesa, be sure to dial the LF prefix "5" prior to 8601. A dispatcher will be on duty all three shifts (M-F) to answer your calls.



John Evans, Convair Suggestor of the Year, receives his award from General Manager, Dr. L. F. Buchanan. Al Damarus (left) is Chief of Maintenance.

John Evans Named 'Suggestor of the Year'

John Evans, a Senior Facilities Engineer, has been chosen as Convair's "Suggestor of the Year." His recent energy-saving suggestion called for a wiring change that eliminated running costly electric motors on the large plank mills on a 24-hour basis. His money-saving idea earned him \$5,768.

John is a 29-year Convair veteran and serves as lead technician on numerical control machinery.

AMA Certificate in Management Course Offered at SDSU

San Diego State University, in cooperation with the American Management Association's Extension Institute, is continuing its Certificate in Management curriculum beginning Feb. 15. The courses being offered this semester are:

- Getting Results With Time Management
- A Manager's Guide to Human Behavior
- Budgeting by Department and Functional Area
- Fundamentals of Modern Marketing

For more information about the certificate program, registration, and class schedules, call SDSU at 265-6255.

Certified Manager Course Starts Feb. 17

"Personal Skills for the Manager," one of three courses offered to help you prepare for the certified manager exams, will be held from 4:30 to 6:30 on eight Wednesdays at KM in the LVP Engineering conference room (northwest corner, second floor, building 26). This seminar, based on discussion, reading, and case study, will cover communication, creativity, ethics, government regulation, and time management. The facilitator will be Judy Braun. Seminar sponsor is the NMA Convair Chapter.

The cost is \$10 for NMA members (refundable upon course completion) and \$14 for nonmembers. Enrollment is limited to 20 persons. Register with Judy Braun at KM 3615.

Hawaii with Condo and Car, June 19-26. Fly to Maui aboard a United DC-10, stay in a completely furnished, one-bedroom condo at the Maui Sunset on the beach, attend a luau (included in the price), and sightsee all week in a rental car (also included). The price is \$1,410 per couple (\$99 less without car). another couple and cut the cost.

THE GREAT TALENT SEARCH

**COMING SOON!
LOOK FOR DETAILS.**



Travel to San Felipe in April

Plan now to enjoy a relaxing weekend in San Felipe, Mexico, Apr. 2-4. This three-day trip includes transportation from San Diego, accommodations at the Hotel De Playa, a welcome cocktail, taco party, two breakfast meals, one lunch meal, tips, and taxes — all for \$135 per person. Make reservations, including a \$25 per person deposit, with Bill Kramer (KM 2855) by Mar. 5.

General Dynamics Private Party at Disneyland Mar. 13

All General Dynamics families and their friends are invited to our annual party at Disneyland from 8:30 p.m. to 1:30 a.m. on Saturday, Mar. 13, 1982. The price is \$7 per person (children under two are admitted free). This includes unlimited use of all attractions (except shooting galleries), plus bands, shows, and parking.

Tickets are on sale now (sorry, no payroll deduction this year). The bus fee will be \$9 per person. For more information, call Jody at LF 8142.

Noon Movie — 'Night and Day'

Dramatic photography traces global operations of one of America's most unique companies, Tenneco, Inc.

Tenneco balances strong energy production and exploration with a variety of consumer and industrial business. Locations include various Tenneco operations in the U.S. and Europe.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at noon. Lack of a projectionist will again prevent an 11:00 a.m. KM showing. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

Employment

For the week ending Jan. 31, employment was 8,250.

CONVAIR Weekly Log

February 22, 1982

Published by the Convair Division of General Dynamics



Major Fleet's legacy . . . **NOTHING SHORT OF RIGHT IS RIGHT**

In 1941, Consolidated Aircraft (eventually to become Convair) was caught up in a whirlwind of expansion to produce unprecedented numbers of wartime aircraft. From 3,170 employees in early 1940, Consolidated employment mushroomed to 33,000 in less than two years, reaching a peak of 45,000 in mid-1942.

As production mounted, Major Reuben Fleet, Consolidated's founder-president, was steadfast in insisting that the rapid production buildup should in no way interfere with product quality. To be sure that everyone got his message, he emblazoned his personal motto **NOTHING SHORT OF RIGHT IS RIGHT** in nine-foot letters across the face of the final assembly building. The photograph above shows the nearly completed 480-foot-long sign.

Today, Convair faces a similar situation. While production of our aircraft and space products continues, cruise missiles are moving toward high-rate production. Regardless of the product or delivery rate, quality cannot be compromised. Our customers have the right to expect, and we have both the obligation and commitment to provide, quality products.

Recently, Dr. Buchanan selected Major Fleet's motto as the keynote of our quality awareness program. Products have changed, faces have changed, and technology has changed. Our customers' dependence upon the quality of our products has not. Integrity and craftsmanship remain the hallmarks of successful products.

Today, as in 1941, **NOTHING SHORT OF RIGHT IS RIGHT.**



At right, Bernie Kuchta, deputy program director for Cruise Missiles, is showing Senator S.I. Hayakawa a cruise missile section in final assembly. Observing in the background (from the left) are John DeBlanc, Program Development Services manager, Jeff Marston, the senator's aide, and John Stirk from Convair's Washington office.

Senator Hayakawa Tours Cruise Missile Production

On Wednesday, February 17, Senator S.I. Hayakawa (R-Ca) visited the Kearny Mesa plant. He was welcomed by Dr. Buchanan, general manager, and briefed on our cruise missile programs. Afterward, the senator was taken on a factory tour to see the cruise missile production line.

Senator Hayakawa has served in the U.S. senate for the last six years. He is on three committees, including the Committee on Foreign Affairs. The senator's political and educational career spans 47 years — as president of San Francisco State College, syndicated columnist, and author of a number of books, and, currently, U.S. senator.

Legislative Visitors View Convair Programs

Ms. Jennifer Dorn, professional staff member of the Senate Appropriations Committee, and Mr. Ernest Garcia, deputy assistant secretary of Defense for Legislative

FLIP

Affairs, visited Convair Tuesday, February 16, for an overview of Convair's programs and a facility tour.

See Video Movie of Dr. Buchanan's State of the Division Address

Dr. Buchanan recently gave his fourth state of the division address to the NMA Convair Chapter. He talked about our major accomplishments in 1981, presented exciting news about our new and potential business, and some actions we must take to ensure quality in our products. His message revived Convair's commitment "Nothing Short of Right is Right."

If you are interested in learning about Convair's future and its expanding business (e.g., many more KC-10 fuselages and C-5 empennages), you have an opportunity to see a 55-minute video tape presentation (motion picture screen size) of Dr. Buchanan as he appraised our division. Bring your lunch; refreshments will be provided. A member of Dr. Buchanan's staff will be available to answer your questions.

Kearny Mesa

Bldg 5, mockup conf rm B
Tue., 23 Feb., 11 a.m.
Wed., 24 Feb., 11 a.m. & 4 p.m.
Thur., 25 Feb., 11:30 a.m.
Fri., 26 Feb., 11:30 a.m.

Lindbergh Field

Bldg 5, engrg auditorium
Mon., 1 Mar., 11 a.m.
Tue., 2 Mar., 11 a.m.
Wed., 3 Mar., 11:30 a.m.
Thur., 4 Mar., 11:30 a.m.



Minority Business Conference Held Here

Convair recently hosted the January meeting of the "Joint Conference for Increased Use of Minority Business." About 90 members and guests were in attendance, representing Southern California area prime contractors, government agencies, and minority businesses. This joint conference was established to increase the participation of minority firms in the business arena. Standing in the photo from left to right are Bob Burnside (Small Business Administration), Bob Hobdy (DCAS Management Area, San Diego), Bob Kilpatrick (chairman, Joint Conference), Jim Lewis (administrative contracting office, Convair), and Chuck Patmon (Small Business Administration, Convair).

'Fiddler' Comes to the Fox March 12

The Convair Chapter of the National Management Association is sponsoring a special group purchase of tickets to "Fiddler on the Roof" at the Fox Theatre, Thursday, April 8, at 8 p.m. This national touring company production stars Hershel Bernardi and is one you won't want to miss. Tickets are \$21.50 per person, with all reservations and details available through Cissy (KM 6361) before the March 12 deadline.

GENERAL DYNAMICS

Private Party at Disneyland®

Saturday, March 13, 1982
8:30 PM-1:30 AM



General Dynamics Private Party at Disneyland Mar.13

All General Dynamics families and their friends are invited to our annual party at Disneyland from 8:30 p.m. to 1:30 a.m. on Saturday, Mar. 13, 1982. The price is \$7 per person (children under two are admitted free). This includes unlimited use of all attractions (except shooting galleries), plus bands, shows, and parking.

Tickets are on sale now (sorry, no payroll deduction this year). The bus fee will be \$9 per person. For more information, call Jody at LF 8142.

Kearny Mesa Plant

| | | |
|-----------------|------------------------------|------|
| CRA Clubhouse | KM Missile Park | 1111 |
| Shirley Nowlin | Bldg. 3, col. C-9, 1st floor | 1163 |
| Barbara Cranmer | Bldg. 3, 3rd floor | 2869 |
| Ed Cox | Bldg. 4, col. F-6 | 3670 |
| Phyllis Miller | Bldg. 5, col. K-9 | 1729 |
| Kim Wold | Trailer No. 3 | 1354 |

Electronics Division, All Plants

George Ryan 6393

Lindbergh Field Plant

| | | |
|------------------|-------------------------|------|
| Marge Brown | Bldg. 1, col. A-14 | 8650 |
| Phyllis Harris | Bldg. 3, col. B-13 | 8189 |
| Jody Manuel | Bldg. 7, col. Y-34 Mezz | 8142 |
| Jane Keaton | Bldg. 16, Safety Office | 8186 |
| Vivian Scroggins | Bldg. 53 | 8058 |

Air Force Plant 19

| | | |
|--------------|--------------------|------|
| Ruth Lindsay | Bldg. 2, col. E-18 | 8213 |
|--------------|--------------------|------|

Employment

For the week ending Feb. 12, employment was 8,323.

CONVAIR Weekly Log

March 1, 1982

Published by the Convair Division of General Dynamics



NORMA PETERS

Department 015

AF Plant 19

NC Machine Operator

2½ Years at Convair

"When I think of quality, I think of class. A quality product is something I can be proud of, I contributed to, or made. Something with quality produces a feeling of satisfaction when I see it.

Nothing Short of Right is Right means to me that it's okay to be a perfectionist. When you're talking about precision, you have to be a perfectionist."

NOTHING SHORT OF RIGHT IS RIGHT!

This was the personal motto of Major Reuben Fleet. Recently, Dr. Buchanan selected Major Fleet's motto as the keynote of our Quality Awareness program. The above is the first in a series showing how employees define quality on the job.

Ted Leitner to Speak at Sports Night Mar. 23

News Eight Sports Director Ted Leitner will be the speaker at the Sports Night dinner meeting of the NMA Convair Chapter on Tuesday, Mar. 23, in the Champagne Ballroom of the Sheraton Harbor Island Hotel. Tickets are \$9 each for members and spouses and \$12 for nonmembers. The social hour begins at 5, dinner at 6:30, and the program at 7:30. Tickets are available from all NMACC representatives.

Convair's January Utilities Bill Tops \$1.2 Million

Our total utilities bill for January was \$1,245,331. Electricity cost \$926,103, natural gas \$289,371 and water \$29,857.

Higher rates and increased consumption combine to set this new record. Are you helping by turning off unnecessary lights, heaters, and equipment? Successful energy conservation requires everyone's help. You can make a difference.

Certified Manager Course Starts March 11

"Interpersonal Skills for the Manager," one of three courses offered to help you prepare for the Certified Manager exams, will be held from 4 to 6 p.m. on eight Thursdays starting Mar. 11 at Lindbergh Field in the 767 strut conference room (mezzanine, building 4). This seminar, based on discussion, reading, and case study, will cover leadership, group dynamics, labor relations, and motivation. The facilitator will be John Stoffel, Cruise Missiles. Seminar sponsor is the NMA Convair Chapter.

The cost is \$10 for NMA members (refundable upon course completion) and \$14 for nonmembers. Enrollment is limited to 20 persons. Register with John Stoffel, LF 8643.

Library Has Engineer's Handbook at Discount

The Research Library has received 20 copies of "Mark's Standard Handbook for Mechanical Engineers," 8th edition. These handbooks usually sell for \$61.48 tax included; we have obtained a 20% discount and they can be purchased at \$49.18. Make checks payable to Warenbrock's Book House. Books may be picked up at the Research Library, building 4, col. A-16; see Jane Shinkle.



Convair Fire Department Displays Its Professionalism

Bill Green, a maintenance mechanic for Department 253 and union safety committeeman for Kearny Mesa, extends his appreciation to a responsive team in the Convair Fire Department. Bill recently suffered an accidental injury when a heavy, metal grating panel struck the back of his head while he was in a service pit. Although the injury was considered serious, it could have been much worse. Hats off to industrial firefighters Jack Boucher, Gary Crow, and Rob Wilson, and registered nurses Bobbie Alex and Susan Shean for jobs well done.

New Dialing for Area Code 714 Information

You no longer need to dial on the WATSBOX system to obtain area code 714 information. You now dial 9 + 411 and give the operator the city in 714 area code you want.

FLIP

These People Retired in January

Convair's thanks and best wishes go to each of these employees who retired in January.

| Name | Department | Years of Service |
|------------------------|----------------------------------|------------------|
| Lester J. Adams | Financial Planning | 31 |
| Albert A. Addison | Machine Shop | 24 |
| James F. Ames | Boeing Strut Assembly | 41 |
| Viola C. Arosin | Systems Development | 22 |
| Frank C. Bartle | Machine Shop | 20½ |
| Rex D. Bauld | DC-10 Assembly | 37½ |
| Jack J. Beckman | Space Systems | 41½ |
| Wade M. Bender | Fabrications | 41 |
| Robert L. Biedenbach | Fabrications | 30 |
| Milton B. Bodger | VAFB—Design/Data | 35 |
| Russell E. Boyd | Fabrications | 25 |
| Robert L. Brooks | Performance Analysis | 19 |
| Morgan J. Christian | Machine Shop | 3 |
| Frances M. Clausson | Graphic & Photo Repro | 31 |
| Edward J. Collier | Planning | 23 |
| Carl Coverston | Performance Analysis | 26 |
| Henry A. Cowell | Facilities Planning | 36½ |
| Roman A. Dirkschneider | Material Inventory Control | 41 |
| David E. Dunn | Plant Protection Supervisor | 29 |
| Clabione Edwards | Material Handling | 28½ |
| June W. Fennell | Engineering Supplies | 37½ |
| Frederick T. Ferguson | Lab—Process Development | 29½ |
| Bernard L. Gammon | Maintenance | 28½ |
| Jack L. Gray | Propulsion & Thermophysics | 25½ |
| Doris L. Gustafson | Composites & Plastics | 34 |
| Orvil M. Hamman | Plant Fabrication | 41 |
| John A. Hawke | Assembly Inspection | 31 |
| Dana L. Hawn | Accounts Payable | 25½ |
| Norene D. Heath | Tool Crib | 25 |
| Nellis E. Hill | Launcher & GSE Design | 10½ |
| Ivan D. Howarter | DC-10 Panels | 41 |
| Vern D. Jennewein | Material Stores | 25 |
| Henry E. Kobrich | Manufacturing Technology | 41½ |
| Henry A. Lambert | Contracts DC-10 | 30 |
| Hartland H. Moran | Avionics Mfg. & Test | 27 |
| Harold B. Nicholas | Cruise Missile Electronics | 23 |
| Paul M. Nissley | Advanced Structures Analysis | 26 |
| Lloyd R. Nowlin | Change Board | 25 |
| John P. Oakley | Machine Shop | 41 |
| Frank M. Peterman | Procurement Quality Verification | 33 |
| Lynwood S. Peterson | Change Board | 26 |
| Norman K. Polakowski | Tool Design | 30 |
| Dorothy L. Powell | Stockroom | 25 |
| Garnold M. Radabaugh | Gate Protection — Guard | 25 |
| James W. Ramsey | Lab — Scanning Electron Micro | 2½ |
| Carroll L. Ray | Fire Marshall | 25 |
| William A. Roberts | Program Development | 30 |
| Frank E. Rockey | Planning | 41 |
| Julian Rubalcado | Boeing Strut Subassembly | 38 |
| Juanita M. Schlfe | Blueprint files | 23 |
| Dorothea F. Schweitzer | Cruise Missile | 23 |
| Richard F. Schweitzer | Manufacturing Engineering | 29 |
| Richard L. Shinn | Plant Fabrication | 39 |
| Orval A. Smith | Welded Subassembly | 29 |
| Leonard H. Steward | Gate Protection — Guard | 21 |
| Max Sturman | Tool & Die | 27 |
| Michael J. Vigliotti | WC — Stockroom | 25 |
| George C. Walsh | Assembly Inspection | 41 |
| John Wasem | Fabrication | 41 |

CPR Certification and Renewal Classes Offered

Registration is now open for the March cardiopulmonary resuscitation certification and renewal classes. Instructor Gene Konishi, Convair Fire Department, can accommodate 25 students in the two-part session. Employees, friends, and family members are all invited.

Call Marion on Tuesday or Thursday, KM 1778, and Monday, Wednesday, or Friday, LF 5667, to make your

reservations. Classes will be held Mar. 15 and 22 from 5 to 9 p.m. in the KM cafeteria. Refreshments will be provided by NMA Convair Chapter sponsors.

SHARE YOURSELF WITH OTHERS

during the

CONVAIR & WESTERN CENTER BLOOD DRIVE March 22 through 26

Charger team players will give away Charger T-shirts & signed photographs sometime during each day of the drive

Reservation Details Next Week

Performing Arts Membership Meeting Mar. 15

The Performing Arts Club will be holding a membership and planning meeting on Monday, Mar. 15, at the CRA clubhouse, 4:30 p.m., room B. Join in planning the club's spring theatrical production (musical or drama). New talent is always welcome. Call Mike Britt, KM 1901, for more information.

'Let's Go' Tour for 1982

This special-price tour arranged by the NMA Convair Chapter is for all General Dynamics employees, their friends and families. Make reservations now with Shirley Nowlin, KM 1163.

Hawaii with Condo and Car, Jun. 19-26. Fly to Maui aboard a United DC-10, stay in a completely furnished, one-bedroom condo at the Maui Sunset on the beach, attend a luau (included in the price), and sightsee all week in a rental car (also included). The price is \$1,410 per couple (\$99 less without car). Share your condo with another couple and cut the cost.

NMA Convair Chapter Sponsors 'Weekender'

Travel for April & May

These trips, sponsored by the NMA Convair Chapter, are open to all employees.

San Felipe, Mexico — Apr. 23-25. This three-day trip for the last weekend in April has a few spaces still available. The cost of \$135 per person includes transportation from San Diego, accommodations at the Hotel de Playa, a welcome cocktail, taco party, two breakfast meals, one lunch meal, tips, and taxes. A \$25 per person deposit is required; make your reservations with Bill Kramer (KM 2855) before Mar. 5.

Noon Movie — 'Doing Something'

A comprehensive look at the precautions being taken by those who manufacture and handle chemicals is given in this fast-paced presentation. Spotlighted are interviews with seven employees of various chemical companies.

The film will be shown at Kearny Mesa on Wednesday in classroom 3 of building 17 at 11 a.m. and at noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Thanks to Art Bursch, new projectionist, the 11 a.m. screening at KM is on again.

Employment

For the week ending Feb. 19, employment was 8,357.

CONVAIR Weekly Log

March 8, 1982

Published by the Convair Division of General Dynamics

**ROBERT L. ROBINSON**

Electrical Checkout
Department 761-0, Launch Vehicle Final Assembly
Kearny Mesa Plant
41 Years at Convair

"Quality is the proper assembly and composition of things so that they function as they are intended to."

"Nothing Short of Right is Right means to me that you do not do anything that compromises your quality objectives. This applies to work habits, personal attitudes, your associations with other people — what I am saying is that your approach to quality is a total involvement."

Nothing Short of Right is Right!

Zero Defect Soldering Program Initiated

An Operations team of Production and supporting departments at Convair has begun a zero defect soldering program to reduce cost and enhance avionics reliability. It has been organized with the cooperation of the China Lake Naval Weapons Center (recognized soldering experts) to produce cruise missile printed circuit board assemblies that require no touch-up operation. A target date of June 8 has been established for completion of the first zero defect assembly.

Make a Reservation to Share Yourself CONVAIR & WESTERN CENTER BLOOD DRIVE MARCH 22-26

Call today and reserve your time to donate blood during Convair's blood drive. As a donor, you have the opportunity to replenish our employee's blood reserve fund, establish membership in the Blood Assurance Plan Donor club, and by doing either, contribute to community needs. Remember, you might be one of the lucky ones to meet a Charger team player. Everyone will receive a Charger T-Shirt and autographed photo.

Call today for an appointment:

KM 1811 for Mar. 22 or 23 from 8 a.m. to 1 p.m.
LF 8244 for Mar. 24 or 25 from 8 a.m. to 1 p.m.
Plant 19 8244 for Mar. 26 from 8 a.m. to 4:30 p.m.

Conversations with Management

Ben Wier, director of Productivity, will speak on Thursday, Mar. 11. Employees are reminded that seating is limited. Attendees will be notified of the location by mail early in the week and receive a career summary of the speaker.

Program directors Bill Rector (Space Programs) and Ray Beuligman (Energy Systems) have been rescheduled for April 29.

Dr. Buchanan has been rescheduled to speak at the final session of the program, on May 20.



Flawless GLCM Launch and Two-Hour Flight

The first GLCM launch using a production configuration transporter erector launcher (TEL) and launch control center (LCC) was successfully conducted on February 25, at Dugway Proving Grounds, Utah. T72:1 was launched as the second of three flight tests that are to be conducted by Convair before turning the system over to the Air Force later this year for their test program. The launch and two-hour flight were flawless. All test objectives were met and the missile was recovered and returned to Convair, where it will be readied for another GLCM flight.

The launch was a significant milestone for the GLCM program. In addition to being the first launch from a TEL under command and control of an LCC, there were also a number of other firsts for Tomahawk and GLCM, including:

- New thrust augmented canister design
- New fly-through cover design
- No shrouds (ac/dc converter on TEL)
- Surface launch with shaped trajectory

The launch team at Dugway was headed by Tom Johnson, Dept. 662-0. Tom, his crew, and all those who worked long and hard to make this success possible are to be congratulated for a job well done.



From left to right (years of Convair service in parentheses): George Bell (40), Doraine Offerman (35), Milton McCaskey (40), Bob Deutschman (40), Dr. Buchanan, Ed Squires, Robert Zinser (40), Fred Henderson (35), Jose Gomez (40), Gerry Olson (40), Ray Clark (35), Ken Lake, Allen Jones (35), Paul O'Dell (40), Harvey Hetrick (35), Dan DaPra, Frank Smith (40), Al Hall (40), Everett Fountain (40), Daniel Tucker (35), Royal Larson (40).

Service Award Breakfast

Employees with 35, 40, 45, or more years of service are periodically invited to Dr. Buchanan's service award breakfast held in the Kearny Mesa executive dining room. During January and February, 17 employees reached the 35- or 40-year mark and attended the breakfast honoring them for many years of dedicated, loyal service to General Dynamics.

Each long timer received a service award presented by Dr. Buchanan and the division staff member responsible for the awardee's department. A color photograph was taken of each presentation and will be given to the awardee as a memento of the occasion. Special thanks to these employees for the experience and knowledge they have contributed to the company's achievements over the years.

NMA Scholarship Applications Available

Application forms for the NMA Convair Chapter Scholarship Program are now available. Here are the eligibility requirements in brief. Applicants must: be high school seniors graduating this June, or recent graduates; be in the upper third of their class; have a parent or legal guardian working at Convair or Data Systems Division (Western Center) at the time of application. The scholarship program is open to qualified dependents of all hourly and salaried employees. Membership in NMACC is not a requirement. Deadline for submitting applications is March 31.

Forms can be picked up at the following locations, or call KM 1803.

- LF Educational Services, bldg 16
- KM Educational Services, bldg 17 N.E. corner
- KM Kathy Milhaud, Convair Site Office, bldg 4, Column W9

Black-Jack Dealers Wanted

Plant Services will be sponsoring Casino Night for the NMA Convair Chapter meeting April 21, at the Sheraton Harbor Island Hotel. If you are interested in dealing black-jack for this event, please contact Don Early, LF 8656, or Jack Velguth, KM 1489.

Composites Supervisor Receives College Award

Bill Walker, operations general supervisor of composites departments at Lindbergh Field, recently received an award from the San Diego Community College District. The citation reads in part:

Congratulations! you have been selected as our

Have You Been Mugged Yet?

In the first week of the Great Talent Search, 131 Convair employees referred 191 applicants. Congratulations and thanks to all of you. Very soon we will be contacting those employees who have submitted eligible Great Talent Search

THE GREAT TALENT SEARCH



referrals to pick up a Great Talent Search coffee mug and additional awards for multiple referrals. Keep on searching — we need referrals pertaining to nearly all engineering disciplines.

Great Talent Search referral cards and drop boxes are available at Convair gates, or call Professional Staffing, KM 6331, for more information.

outstanding Vocational Educational Advisor Committee member for 1982. Your selection was based on the number of years and active participation on the Plastics Technology Advisory Committee.

Walker's participation also includes in-plant tours for plastics technology students and his efforts have brought trained people to employment at Convair.

Last Chance! Tour Hawaii with Condo and Car, Jun. 19-26.

Fly to Maui aboard a United DC-10, stay in a completely furnished, one-bedroom condo at the Maui Sunset on the beach, attend a luau (included in the price), and sightsee all week in a rental car (also included). The price is \$1,410 per couple (\$99 less without car). Share your condo with another couple and cut the cost. Call Shirley Nowlin, KM 1163.

Pre-retirement Planning Seminars Start Mar. 16

Plan on attending one of the pre-retirement planning seminars sponsored by Employee Benefits and Educational Services and presented by Central Federal Savings and Loan Association. Two series of six classes each are scheduled to start March 16 and 17 at the Kearny Mesa plant from 5:30 to 7:30 p.m. Several openings remain in the Wednesday night class for hourly employees, and reservations can be made by calling KM 2267. Spouses are encouraged to attend. Participants should meet in the lobby of building 2 on the first night. Employees must wear their badges.

Noon Movie — 'A Portrait of Power'

The energy crunch has once again placed the limelight on coal as a practical and efficient alternative to natural gas and petroleum. In 1929, coal was extracted with sheer manpower. Now, machines have replaced the shovel, and even women are working in the mines.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For week ending Mar. 5, employment was 8,360.

CONVAIR Weekly Log

March 15, 1982

Published by the Convair Division of General Dynamics



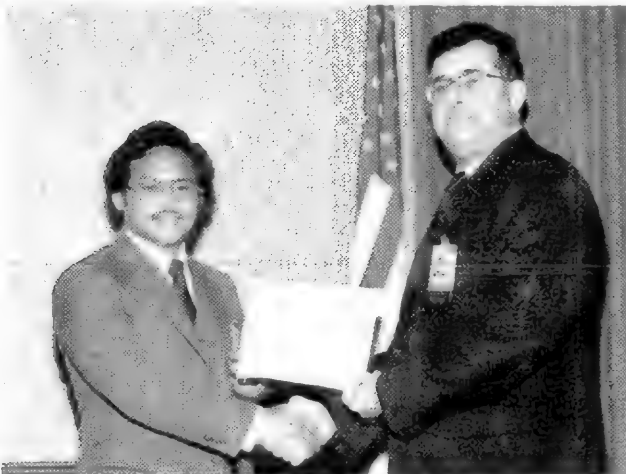
ELIZABETH MCLAUGHLIN

Secretary
Department 610-0, Advanced Technology
Kearny Mesa Plant
8 Years at Convair

"Quality means pride and awareness in not just your work but in what your workmates do, your supervisors, management — your whole company. If everyone has that pride in the overall picture, the end result is quality."

"Nothing Short of Right Is Right" means perfection."

Nothing Short of Right Is Right!



Apprentice Earns Early Graduation & Inspector Job
Pete Mendiola received his journeyman certificate on Thursday, Feb. 18, from John Silverstein, director of Quality Assurance. Pete's outstanding performance in the apprenticeship program earned him an early graduation and a position as Inspector, Precision Parts A, in Department 343.

Convair's continuing apprenticeship program accepts applications year round, but there is a long waiting list to get into the program.

Thanks for Supporting U.S. Savings Bonds Payroll Deduction Program

As reported earlier, 90 percent of our employees participate in the U.S. Savings Bond payroll deduction program. I want to share Mr. Lewis' comments with you and, again, extend my personal thanks for Convair's support to his vital program.

J.F. Buchanan

GENERAL DYNAMICS CORPORATION
Pierre Laclède Center
St. Louis, Missouri 63105
22 February 1982

David S. Lewis
Chairman and Chief Executive Officer

314-889-8234

Dr. Leonard F. Buchanan
Vice President and General Manager
Convair Division
5001 Kearny Villa Road
San Diego, California 92123

Dear Buck,

The 1981 Corporate-wide U.S. Savings Bond Campaign has been completed.

I am pleased that this vital national program continues to be enthusiastically supported by a majority of our employees. Your Division's increase in percentage of participation is particularly commendable in view of current economic conditions. I am confident that a turnaround in the economy will encourage even greater levels of achievement in the future.

Please extend my appreciation to your employees for their support and participation in the 1981 U.S. Savings Bond Campaign.

Sincerely,

D.S. Lewis

David S. Lewis

MRASM Program Preparing for Major Milestone in April

Convair recently achieved a major milestone by signing a contract with JCMPO for approximately \$100 million to perform the full scale engineering development (FSED) of the AGM-109 (MRASM). The FSED Program was started last October and continues through January 1985. Five MRASM test vehicles will be built and an extensive flight test program will be performed. The MRASM to be developed is the AGM-109H, which is an Air Force weapon launched from a B-52 and used for airfield attack.

The versatile design of the MRASM makes it an excellent candidate for other conventional missions in the future. The MRASM program, led by Jim Karam, has successfully completed four major reviews. Jim Reed, chief engineer, now has his team preparing for the next major program milestone, which is a preliminary design review (PDR) in late April.

FLIP

These People Retired in February

Convair's thanks and best wishes to each of these employees who retired last month.

| Name | Department | Years of Service |
|------------------------|-------------------------------|------------------|
| Worth D. Arrasmith | DC-10 Assembly | 38½ |
| Wendell W. Baker, Jr. | Art & Editorial | 31 |
| Victor J. Berger | Planning Control | 41½ |
| Joe Blake | Machine Shop | 14 |
| Clarence R. Bowman | Change Board | 31 |
| Paul L. Brady | Systems Design | 42 |
| James A. Brown | Computer-Aided Manufacturing | 29 |
| Roger V. Bucaro | Telemetry Data Processing | 31 |
| Michael V. Clark | Labor Relations | 35½ |
| Dwight D. Claxton | Engineering Test Support | 41½ |
| Isabelle C. Corbett | Manufacturing Control | 34 |
| Amedeo D'Ercole | DC-10 Assembly | 40½ |
| James E. Gaughan | Project Support | 4 |
| William W. Egan | Inspection Fabrication | 25 |
| John P. Hood | DC-10 Subassembly | 39 |
| John J. Jackson | Labor Relations | 34 |
| Charles F. Jessup | Document Contracts | 28 |
| Clifford W. Johnson | Anodize & Alodine | 34½ |
| Harry A. Kamman | VAFB — Contracts | 25 |
| Robert E. Keller | Guard | 25 |
| Basil J. King | Plant Fabrication | 4 |
| Geza G. Liskay | Composites Assembly | 3½ |
| George E. Lopez | Cable Assembly | 22 |
| Charles R. Mabry | Field Calibration Lab | 41 |
| Arlo A. Martin | Vehicle Assembly | 37 |
| William A. Matt | Guard | 25 |
| George E. Mayer | Tomahawk — Weld, Subassembly | 40 |
| Robert W. Miller | Procurement Quality | 40 |
| Stella M. Mullins | DC-10 Panels | 7 |
| Fred G. Niece, Jr. | Cruise Missile Assembly | 26 |
| John N. Pasich | Proof Planning | 41 |
| Everett S. Penick | Configuration Management | 14 |
| Clifford E. Pennick | DSD — Digital Operations | 31 |
| Charles J. Rezek | Loft/Numerical Surface Design | 40 |
| Kenneth Schiel, Jr. | DC-10 Assembly | 12 |
| Robert S. Shorey | Structural Analysis | 41 |
| Mendel E. Sisley | Tool Store | 24 |
| Frank S. Smith | Machine Shop | 40 |
| Melvin I. Smith | Maintenance Operations | 41 |
| Frances L. Stingley | Mail Room | 33 |
| Peter J. Stoesser, Jr. | Metalbond Plastics | 22 |
| Theodore S. Swenson | Salvage Disposition Yard | 25 |
| Michael Votta | Electrical Fabrication | 4½ |
| Hewlett F. Whisman | Electrical Fabrication | 41 |
| Robert D. Williams | Corrective Action Engineering | 40 |
| Delbert R. Wilson | Metalbond Plastics | 41 |
| Thomas L. Wright | Vertical Assembly | 37 |

Atlas/Centaur 58 Successfully Launches Intelsat V

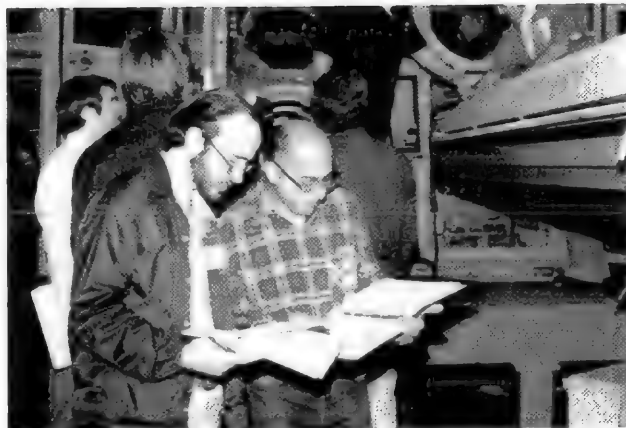
On Mar. 4, 1982, the Convair-built Atlas/Centaur 58 successfully placed the fourth Intelsat V communications satellite in geosynchronous transfer orbit. The 4,250-pound satellite fired its apogee kick motor on Sunday, Mar. 7, and is reported to be in excellent shape.

Vehicle 60, still in the assembly area of building 5, will be shipped to Florida in April for another Intelsat V launch in July. Four more Atlas/Centaurs are in production for Intelsat, with additional orders expected soon from both Intelsat and the Air Force for the FLTSATCOM program. The production of these vehicles will proceed in conjunction with five Atlas H vehicles for use by the USAF from Vandenberg AFB. The first H vehicle (6001H) was moved last week to Kearny Mesa to begin its final assembly activities.

CMA Sponsors 'Weekender' to Las Vegas May 21-23

The bright lights and excitement of Las Vegas await you

the weekend of May 21-23. Stay at the Royal Las Vegas Hotel, and enjoy all the fun plus transportation accommodations, refreshments, and prizes for \$180 per couple. Call and make your reservations with Sheila (KM 2570); a \$25 per couple deposit is required before April 2 deadline.



Participating in the validation of technical manuals for the Tomahawk cruise missile are these Convair employees and others (as noted), from the left, Chris Yates, Scott Morning (NWSES) facing rearward, Al Renard (NWSES), Gabe Sciarretta, Ralph Giblin, Bob Schussler, and Mark Schwartzel.

Technical Manual for Tomahawk Validated

Integrated Logistic Support Department personnel recently participated in validating technical manuals and training procedures at Air Force Plant 19, building 3. Government representatives from the Naval Ship Weapon Systems Engineering Stations (NWSES) at Port Hueneme, California, shared in the validation events. Completion of these validations is a major milestone in the surface ship launch Tomahawk cruise missile program. The armored box launcher will be used at the Pacific Missile Test Center for operator crew training and test launches in preparation for Navy Operational Evaluation (OPEVAL).

Still Time to Sign Up for Blood Drive Next Week

Time is still available for more donors to "share themselves." They're needed to keep our reserve account at The San Diego Blood Bank at the highest possible level so that we can continue to provide no-charge replacement service for Convair and DSD Western Center employees.

So make your appointment, have a chance to meet a member of the Charger team, and get your Charger T-Shirt and autographed picture.

| Place | Time |
|------------------------------|-----------------------------|
| Kearny Mesa | Mon. & Tues., Mar. 22 & 23 |
| Fire Station — bldg. 6. | 8 a.m. — 1 p.m. |
| Call 1811 (Fire Dept.) | |
| Lindbergh Field | Wed. & Thurs., Mar. 24 & 25 |
| Classroom 1, bldg. 2 | 8 a.m. — 1 p.m. |
| Call 8244 (Fire Dept.) | |
| Plant 19 — Trailer | Fri., Mar. 26 |
| Outside bldg. 4, F/A Station | 8 a.m. — 4:30 p.m. |
| Call 8244 (Fire Dept.) | |

Employment

For the week ending Mar. 5, employment was 8,386.

CONVAIR Weekly Log

March 22, 1982

Published by the Convair Division of General Dynamics



SHARON MCGHEE

Industrial Engineer

Department 241, Industrial Engineering

Kearny Mesa Plant

2 weeks at Convair

"Quality means good communication and people involvement; it is understanding the total picture and working together."

"'Nothing Short of Right Is Right' means you can't accept anything less than what is right."

Nothing Short of Right Is Right!

Admiral Fontaine Observes Cruise Missile and Radar Programs

Rear Admiral Richard K. Fontaine recently visited Convair and was briefed on the cruise missile and bistatic (dual-antenna) space-based radar programs. Admiral Fontaine is the deputy director of Tactical/Theater C³ (Command, Control, and Communications) Systems for the Joint Chiefs of Staff. He was given a tour of the Kearny Mesa facility, cruise missile assembly and final checkout area, and briefed on the cruise missile production process. The admiral commented very favorably on the worker enthusiasm and pride he observed first hand in the cruise missile production areas, particularly that of Gordon Lundquist, supervisor of Department 032 (Weld, Machine, and Subassembly).

Savings and Stock Plan Values for January

| Salaried | 1979 | 1980 | 1981 |
|-----------------------|------------|------------|------------|
| Government Bonds | \$ 2.3043 | \$ 2.5154 | \$ 2.8106 |
| Diversified Portfolio | 1.7329 | 2.0544 | 2.0370 |
| Fixed Income | 1.0559 | 1.1653 | 1.2953 |
| Hourly | | | |
| Government Bonds | 2.3036 | 2.5127 | 2.8075 |
| Diversified Portfolio | 1.7688 | 2.0992 | 2.0801 |
| GD Stock | \$40.1900* | \$34.3750* | \$26.0000* |

*Reflects 2-for-1 stock split of November 1980.

Paul Slysh Earns Another Patent

The U.S. Patent Office has just granted patent number 4,314,636 to Paul Slysh (Dept. 565). This patent involves a strut-and-node canister useful in the construction of very large structures in space.

Telephone Office Needs Phone Books

Please turn in extra phone books. We're running short! The telephone office has run out of new in-plant phone books to distribute. If you have any extra ones, please put them in your outgoing mail station for pickup.

Financial and Estate Planning Seminar Mar. 30

"Let's Get Fiscally Fit" will be presented Tuesday, Mar. 30, by Kay Crawford, account executive with Dean Witter Reynolds, Inc. and John M. Preston, attorney at law. Topics include financial planning, money market funds, trusts, and wills.

The seminar will be held in the KM cafeteria from 4:30 to 6:30 p.m. All employees and their spouses are invited to attend. Register with Judy Braun at KM 3615. Seminar sponsor is the NMA Convair Chapter.



Lindbergh Field employees who recently completed the Industrial Engineering training program are from the left (front row), Mike Solusky, Mark Willenbrink, Abe Goldberg, Jose Ramos; (second row) Don Evanson (instructor), Rogie Coronado, Mark Powers, David Lila, Ted Taylor, Mark Moyer; (back row) Jack Kenna (director of Industrial Engineering/Scheduling), Norm Pearl (manager of Industrial Engineering), Bob Bolcer, Mint Sanders, Ken Miller, and John Grier. Chung Vincent is not pictured.

IE Personnel Complete Training Program

Fourteen Industrial Engineering (IE) employees recently completed a 14-session training program at Lindbergh Field titled "Industrial Engineering — How to Do It." The course covered several subjects, including scheduling, developing manufacturing plans, learning curves, methods improvements, facility planning, manufacturing control, and plant services. Instructor Don Evanson of Industrial Engineering was assisted by Bill Wise, Plant Services, Danny Leever, Manufacturing Control, and Frank Jenkins, Facilities Planning. The program was offered to all Lindbergh Field IE personnel with less than one year's service and is part of the annual IE update certified training program established in 1972.

FLIP



Test Labs team earn an EXCEL award for their efforts to validate a GLCM launch test. Shown with members of management from left are Dan Da Pra (vice president, Research and Engineering), John Milliman, Dave Lawrance, John Routson, Bob Spencer, Chuck Brantley, Don Nirschl (chief, Engineering Test Labs), Hal Brittain, Dennis Dimick, George Kraft, Jr., Herb Cormier, Bill Phillipp (director, Test and Evaluation), Bill Harger (manager, Test Operations), and Wyle Huffman.

Engineering Test Labs Score Again

Engineering Test Labs (Dept. 661-0) received a group EXCEL Award for an "All-Out Effort" to validate the thrust augmentation capability of the newly designed cruise missile canister before the GLCM T72 Launch. Their motivation, creativity, and performance in completing this assignment in four months after Program Office go-ahead led to a very successful test program. This was the first time a cruise missile test vehicle was launched, caught, and restrained until booster burnout.

The tests were performed at the Sycamore Test Facility by launching a simulated missile using a cruise missile booster assembly. As the simulated cruise missile exited the canister, it flew down rails until it contacted a deceleration sled, which stopped the missile undamaged 30 feet from the canister. Effects on the GLCM cuff, obturator ring, armored box launcher (aft) structure, and missile with shrouds removed were also evaluated during these full-scale launch firings. Congratulations to test conductor Hal Brittain, his engineering crew, and the Engineering Test Lab Support group (Dept 756-0) on a job well done.

GD Purchases Chrysler Defense, Inc.

General Dynamics Corporation announced purchase of Chrysler Corporation's combat tank manufacturing subsidiary, Chrysler Defense, Inc., for \$336.1 million. This price is \$12.4 million less than the price indicated in the original purchase agreement announced on Feb. 19, 1982, reflecting certain agreed-upon adjustments arising since that date.

"We are pleased that the purchase has been finalized and that we will have the responsibility for the very im-

portant U.S. army tank development and production programs," said David S. Lewis, chairman and chief executive officer of General Dynamics. Lewis said the newly acquired operation, which employs more than 7,000 people in the Detroit; Lima, Ohio; and Scranton, Pennsylvania areas, will now be called General Dynamics Land Systems Division.

Address PAs Correctly to Expedite

Departments writing Purchase Authorizations (PAs) should forward them to Material Control addressed as follows.

CATALOGING 81-8351

This will help expedite the PAs to Purchasing. If you have any questions, call Bill Teran, LF 8629.

Any Questions for Ted Leitner at NMACC Meeting?

Ted Leitner, featured speaker for NMA Convair Chapter meeting tomorrow night at the Sheraton-Harbor Island Hotel, will answer your questions after his presentation. Send questions to Joe Salieri, MZ 50-2531 or call him at KM 1125 before 4:00 p.m. Tuesday. Remember to use the Portola Restaurant entrance for a closer parking place.

Shape Up

Shape up is complete program of exercise, nutrition, and stress management. Includes three workshops, two fitness profiles and a Shape-Up workbook. Next class will be Monday, Apr. 5, 4:30 to 5:30 p.m. Register with the Health-Fitness Center, KM 1111.

Stress Management Seminars

Instructor Don Levitt, PhD, stress management consultant, will offer a lecture-participation workshop including relaxation training, assertiveness, and environmental modification. Classes will be held Mondays, Apr. 5, 12, and 19. An assertiveness training workshop will also be held on Mondays, May 3, 10, and 17. The cost is \$25 for one workshop or \$45 for two. Call the CRA Health-Fitness Center for further information at KM 1111.

Noon Movie — 'An American Asset'

A dramatic documentation of the many and vital roles of coal in our economy: modern methods and machinery used in mining and transportation of coal; industry commitments to a good environment; scientific research into coal's future potentials.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending March 19, employment was 8,426.

SHARING YOURSELF BEGINS TODAY Donation Sites For Blood Drive This Week

| Place | Time |
|------------------------------------|-----------------------------|
| Kearny Mesa | Mon. & Tues., Mar. 22 & 23 |
| Fire Station — bldg. 6. | 8 a.m. — 1 p.m. |
| Lindbergh Field | Wed. & Thurs., Mar. 24 & 25 |
| Classroom 1, bldg. 2 | 8 a.m. — 1 p.m. |
| Plant 19 — Trailer | Fri., Mar. 26 |
| Outside bldg. 4, First Aid Station | 8 a.m. — 4:30 p.m. |

Don't forget to look for a Charger team player and get your free Charger T-Shirt and autographed picture.

CONVAIR Weekly Log

March 29, 1982

Published by the Convair Division of General Dynamics

**ART COPLEY**

Data Systems Analyst
Department 223-1, Manufacturing Control
Lindbergh Field Plant
34 years at Convair

"Quality means producing an error-free product to schedule within the price parameters we have given our customer."

"'Nothing Short of Right Is Right' means everything you do has to be as near perfect as humanly possible. We need to check the work we do to see that it is right."

Nothing Short of Right Is Right!

How We're Controlling Lights — How You Can Help
Convair's largest single utility expense is for lighting. In 1981, lighting costs exceeded \$5.4 million. Rate increases in 1982 will push this expense even higher, unless you help. We have installed more efficient lighting in all plants and have connected lighting in Kearny Mesa buildings 1, 3, 4, and 26 to our computerized energy control system. The computer turns these lights off at 5 p.m. to avoid the winter peak demand charge and to save energy. The computer checks again at 6 p.m., 8 p.m., and midnight. If you leave before 5 p.m., turn your lights off and save even more energy. If you have to work after 5 p.m., go to the lighting panel convenient to your area and turn just your circuit back on. Learn the location of your panel and your circuit. You can help.

Space Shuttle Mid-Fuselage Delivered

The orbiter mid-fuselage (OMF) for OV-103, Discovery, was shipped to Rockwell International on Monday, Mar. 15. Arriving safely at Palmdale, after an eight-hour trip on a specially designed flatbed trailer, this mid-fuselage is the fourth Convair has delivered.

The formal weighing of the OMF occurred on Mar. 12. The mid-fuselage team of weights and design personnel is credited with delivering the OMF 358 pounds under the contractual limit of 12,660 pounds. Every

pound saved translates ultimately into cost savings by allowing additional payload weight for space-based experiments.

Group 21 Commercial Supplies

The catalog for commercial supplies (forms and office supplies) is now available in a printed form. If you are not on distribution for the catalog and you need to be, submit an AVO to: W.R. Teran, MZ 81-8351.

Would You Like Help with Your Presentation?

Program Development has hired Bud Garvin as presentation development administrator. Bud has extensive experience in the preparation and presentation of audio visual multimedia presentations for audiences that include the U.S. Navy, Army, Air Force, allied navies, Congress, NATO officers, technical groups, and societies nationwide.

Bud is prepared to give you professional guidance and assistance in preparing quality presentations. His office at Kearny Mesa is on the first floor, in the east end of building 3, at the entrance to Art & Editorial. You may call him at KM 1053.



Convair's new training facility for GLCM launch crew officers.

GLCM Program Developing Missile Procedures Trainer

A new GLCM program task is to develop and deliver a complete training system for cruise missile launch officers. A team of Convair and Data Systems Division Western Center people, assisted by their subcontractor, System Development Corporation, has been formed to develop the necessary software and hardware. The new facility in the southwest corner of building 5 has 30 computer terminals which, with extensive Rolm software, will compile and test facilities.

The Missile Procedures Trainer (MPT) effort will provide an expanded hardware base and a unique opportunity to develop and integrate intensive hardware and software. The hardware includes a fully equipped

FLIP

GLCM launch control center (LCC), and an instructor's control unit (ICU) capable of simulating a complete GLCM flight.

The first MPT will be delivered to the Air Force Training Squadron at Davis-Monthan AFB, Tucson, in November. Key fabrication and test support is being provided by Depts. 637-0 and 608-0.

Successful Shuttle Launch Highlights Convair Contributions

The largest crowd of onlookers (estimated above one million) ever to witness a launch, watched in awe as Space Shuttle Columbia thundered aloft at 11 a.m. (EST) on Monday, Mar. 22. Many Convair employees were among the crowd, including Lloyd Birse (Dept. 350, Quality Inspection), who was honored as part of the Manned Flight Awareness Program.

This third flight of Columbia dramatically demonstrated the reusability of the shuttle systems, including the Convair-built mid-fuselage (payload bay). Also prominent in the plans for this mission are extensive tests of the Canadian-built Remote Manipulator System. Convair fabricated the advanced composite arms for this system under subcontract from SPAR Aerospace of Canada. Convair employees can be proud of their continuing contributions to America's success with the Space Shuttle program.

First Atlas H Ahead of Schedule to Final Assembly

Atlas vehicle 6001H, first of the H series, was completed ahead of schedule in Dept. 759, AF Plant 19, in early March for delivery to final assembly at Kearny Mesa. The job was accomplished through exceptional efforts by the supporting departments.



Congratulations, Talent Searchers, for getting mugged — from left are: J. Sullivan (245-0), K. Anderson (240-0), U.J. Sweeney (654-0), F. Schoen (190-1), D. Majchrowicz (262-0), J. Pierce (225-3), D. Saylor (683-0), and L. Hoffman (221-5). Dennis Bartlett (Professional Staffing) at right, coordinator of The Great Talent Search, presented the award mugs.

Convair Employees Mugged

The Great Talent Search continues. To date, 414 employees have participated by referring 696 applicants. In addition to receiving a Great Talent Search mug for every eligible referral who submits an application, employees will be awarded prizes for multiple referrals. Employees referring three eligible applicants will be

awarded three coffee mugs and a Rubik's Cube; five referrals will earn five coffee mugs and a Rubik's Cube, and a digital thermometer; 10 referrals will receive 10 mugs, a Rubik's Cube, a digital thermometer, and a pocket calculator. When your referral is hired and successfully completes 90 days employment, you will receive a \$500 merchandise award and be eligible to participate in drawings for additional awards. If you haven't submitted a referral yet — keep searching. You could be the next Convair employee to be "mugged."

Lindbergh Field Salvage Yard Sale Apr. 3

Typewriters, office machines, calculators, chairs, and building materials will be among items offered at the Lindbergh Field salvage yard sale from 8 a.m. to noon on Saturday, Apr. 3. Use the Washington Street entrance, bring company ID, and wear sturdy shoes. All sales are cash and carry.

NMA Offers Money Management Seminar

All Convair employees and their spouses are invited to attend a Successful Money Management seminar sponsored by the NMA Convair Chapter. The seminar discussion leader will be Joseph Appolito, president and chief executive officer of Charter Resources, Inc.

The course will be held on three consecutive Tuesdays, beginning Mar. 30, from 4:30 to 6 p.m., in building 5, mockup room B. Topics will include inflation, stock market, mutual funds, real estate, and IRA. The course is offered by NMACC, and the fee is \$2 per person (refundable to NMA members on course completion). Attendance is limited to 35. Sign up with Helen Medeiros at KM 6341.

'Oklahoma' Comes to Lyric Dinner Theatre

Enjoy an evening of good food and fine entertainment on Saturday evening, May 8, at the Lyric Dinner Theatre in La Mesa. A buffet dinner begins at 6:30 p.m., with the show at 8:30. Tickets are \$16 each, available through Cissy, (KM 6361). All reservations must be made by Apr. 9. This CMA-sponsored event is open to all Convair employees, families, and friends.

Shape-Up

Shape-Up is a complete program of exercise, nutrition, and stress management, which includes three workshops, two fitness profiles, and a Shape-Up workbook. The next class will be Monday, Apr. 5, 4:30 to 5:30 p.m. Register with the Health-Fitness Center, KM 1111.

CPR Class Begins Apr. 8

The next cardiopulmonary resuscitation (CPR) class will begin Apr. 8. For additional information and reservations, call Marion on Tuesday or Thursday at KM 1778 or on Monday, Wednesday, or Friday at LF 5667.

Noon Movie — 'The Link Between Us . . . Electronics'

Eugene Fodor, Jim Henson, Lorin Maazel, Kenny Rogers, Eric Severeid, and Stevie Wonder create a moving portrayal and documentation of the influences in the revolutionary development of electronics.

At Kearny Mesa, showings will be on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending Mar. 19, employment was 8,461.

CONVAIR Weekly Log

April 5, 1982

Published by the Convair Division of General Dynamics

**NICK MOUSOURIS**

Engineering Specialist
Department 613, Image Processing
Kearny Mesa Plant
2 years at Convair

"Quality on the job is a measure of the interactive process between an individual and his or her job environment. The individual brings good faith and best effort; the environment must be supportive and provide recognition and respect for the individual."

"'Nothing Short of Right Is Right' is a variation of the golden rule. It is a mentality that works to everyone's advantage."

Nothing Short of Right Is Right!



Successful Tomahawk launch from 11-degree slope.

Third Test Flight of GLCM Is Success

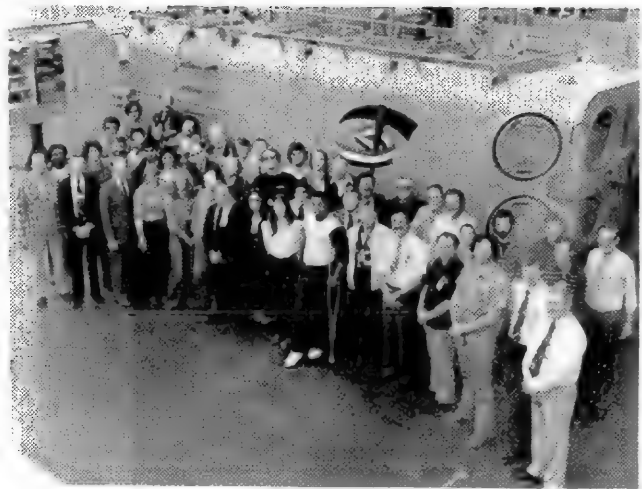
The third flight in the contractor test and evaluation segment of the Ground Launched Cruise Missile (GLCM) program was successfully conducted on Mar. 25 at the Utah Test and Training Range. BGM-109G

missile (T73) was launched from the transporter-erector-launcher (TEL) commanded by the launch control center (LCC). Objectives of the flight were to demonstrate the unique aspects of the ground launch system and to verify air vehicle subsystem performance. Launch was accomplished from the TEL positioned on an 11-degree down ramp. After launch and transition to cruise flight, the vehicle successfully flew a mission of approximately two hours that included: terrain following and guidance performance evaluations, time of arrival tests, airspeed data points, warhead arming tests, and two target overflights.

This flight represents the culmination of years of quality-conscious effort. Congratulations to all the Convair employees who made the successful GLCM flight possible.

Professional Development Course Starts April 19

"Andlinger Business Game" is being offered by the NMA Convair Chapter at Lindbergh Field, Mondays and Wednesdays for eight weeks, from 11 to 11:45 a.m. in building 4, MIC conference room. This is the classic of all self-administered, noncomputer business games. You'll learn to: understand and appreciate the impact of top-level decisions in an organization; interpret variables that influence decision making, especially the dynamics of interpersonal relationships; and respond to decisions made by others. The course fee is \$5 (refundable to NMACC members upon course completion). Register with instructor Jim Kelley at LF 8824.



Proud Department 031 people stand before their completed GLCM armored box launcher.

Second Armored Box Launcher Delivered

Last month, a significant milestone was achieved as the second Convair-built armored box launcher (ABL) for SLCM was shipped to the Point Mugu Test Center (PMTTC). The launcher will undergo further testing and evaluation in preparation for launch later in the year.

FLIP

After checkout and flight test of updated systems and hardware, the ABL will be mounted on the destroyer U.S.S. *Merrill* DD976.

The launcher will be equipped with the latest version from the SLCM arsenal, to further strengthen our Naval surface capabilities. Many thanks to Dept. 031 (Cruise Missile Assembly and Test) people and their support groups, who worked long and hard to make this milestone possible.

NMACC Sponsors Trip to Las Vegas May 21-23

The bright lights and excitement of Las Vegas await you the weekend of May 21-23. Stay at the Royal Las Vegas Hotel and enjoy all the fun plus transportation, accommodations, refreshments, and prizes for \$180 per couple. Call and make your reservations with Sheila (KM 2570); a \$25 deposit per couple is required before the Apr. 9 deadline.

Save on Contact Lenses

Effective immediately and for a short time only, the group vision program will offer Bausch and Lomb and American Hydron soft contact lenses at \$39 per pair and \$100 off the contact lens examination fee. If you have any questions, call the Safety Office at LF 8186.

Free Back-Care Workshop

Dr. Lawrence Adams, chiropractor, will offer a free workshop on back care, Apr. 20 in the CRA clubhouse room A from 4:30 to 5:30 p.m. Sign up with the Health-Fitness Center at KM 1111.



New Tube Welder Increases Production Capability

The Astro-Arc tube welder has proved to be a successful addition to Convair's production capability. The new power supply and control is a solid-state programmable unit which provides pulsed current (1 to 100 amperes) to the gas-tungsten-arc welding head. The automatic weld head gives critical precision joining and maximum weld quality in welding tubes from 1/8- to 1-1/2-inch outside diameter. The welder features a 100-percent duty cycle (no stops or cooldown necessary), very fine control, consistent repeatability, and the ability to weld most production metals. It is currently used to weld steel

hydraulic lines for the Boeing 767 program and hydrazine lines (stainless steel) for the Atlas/Centaur program.



Gary Vick's Suggestion Earns \$1,237

Jim Copeland (at right), base manager, Operations, Vandenberg Air Force Base, presents an employee suggestion award and check for \$1,237 to Gary Vick, senior engineer (Dept. 985-2). Gary suggested printing ground support equipment and airborne time and events data in real time on a microprocessor. This includes approximately 270 measurements. The new system replaced recording data on brush recorders and then processing manually. The new method also provides continuous data (24 hours a day), plus immediate printout, which saves time during booster processing. Gary's contribution to the suggestion program brought Convair's first quarter savings to \$209,445. This time last year, savings totaled \$174,097.

CPR Classes on April 8 & 15

Cardiopulmonary resuscitation (CPR) is a valuable life-saving technique. Registration is now open for the April 8 and 15 in-plant classes, which offer both initial training, as well as recertification. Instructor Joe Harrison can accommodate a class of 65, which may include friends and family members as well as employees. Classes will be held from 5 to 9 p.m. in the KM cafeteria, with refreshments provided by NMACC sponsors. Marion will take your reservation by telephone at KM 1778 on Tuesday and Thursday and at LF 5667 on Monday, Wednesday, and Friday.

Employment

For the week ending Mar. 26, employment was 8,494.

CRA EASTER EGG HUNT
FOR GENERAL DYNAMICS YOUNGSTERS
FROM 2 YEARS TO 10 YEARS



DATE: Saturday, April 10, 1982
TIME: 10:30 A.M. to Noon
10:30 for 8-10 Years
11:00 for 5-7 Years
11:30 for 2-4 Years
PLACE: CRA Missile Park

CONVAIR Weekly Log

April 12, 1982

Published by the Convair Division of General Dynamics

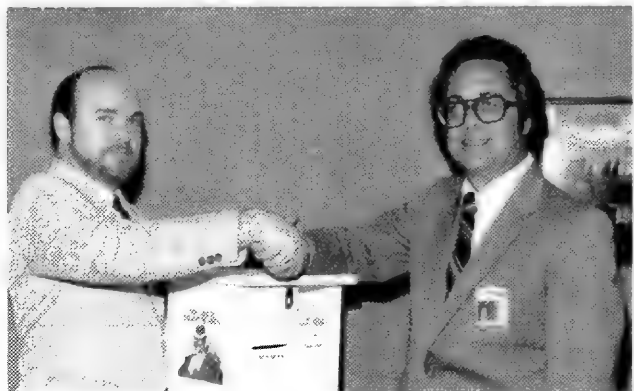
**EDMUNDO SERRANO**

Numerical Control Machinist
Department 015-0, Machine Shop
AF Plant 19
12 years at Convair

"Quality for me is when I buy a product that has that extra something that I demand. And I believe that for my work to be in demand, I should put out quality work."

"'Nothing Short of Right Is Right' means that if it isn't right, it is wrong. There are no two ways about it. It is like winning or losing."

Nothing Short of Right Is Right!



Bill Herndon (Dept. 243-2), Convair's first employee hired through the Great Talent Search program, receives congratulations from Dennis Bartlett, program coordinator.

Employees Respond to Great Talent Search

By successfully referring Bill Herndon to Convair, Dick Ponse, Dept. 243-2, is eligible for a \$500 merchandise award certificate after 90 days. Since the Great Talent Search began, our employee response has been phenomenal. Over 552 engineering referrals have been submitted and 166 mugs awarded. If you have submitted a referral and are wondering why you have not yet been "mugged," make sure that your referral has given his or her completed application to Industrial Relations.

Notice To Point Loma Credit Union Members

The Supervisory Committee of the Point Loma Federal Credit Union is conducting a membership account verification. If you are a member and do not receive your statement of account(s) for the period ending March 31, 1982, please notify: Supervisory Committee, Point Loma Federal Credit Union, P.O. Box 6382, San Diego, CA 92106.

If you are not a member but want to join, information and application forms are available in the Employee Benefits offices at Kearny Mesa and Lindbergh Field plants, or call the Credit Union Sports Arena branch at 226-1600.

Savings and Stock Plan Values for February

| | 1980 | 1981 | 1982 |
|-----------------------|------------|------------|------------|
| Salaried | | | |
| Government Bonds | \$ 2.3134 | \$ 2.5356 | \$ 2.8369 |
| Diversified Portfolio | 1.7238 | 2.0783 | 1.9593 |
| Fixed Income | 1.0634 | 1.1746 | 1.3063 |
| Hourly | | | |
| Government Bonds | 2.3124 | 2.5329 | 2.8335 |
| Diversified Portfolio | 1.7591 | 2.1237 | 2.0002 |
| GD Stock | \$36.1250* | \$33.7500* | \$23.0000* |

*Reflects 2-for-1 stock split of November 1980.



Jose Anton receiving EXCEL award. From left are Jim Eberhardt, chief of Organics and Composites (Dept. 631), Bruno Bracka, director of Structures and Design (Dept. 640), Anton (Dept. 631), and Jules Hertz, manager of Materials and Processes (Dept. 630).

Technician Earns EXCEL Award

Jose Anton was the key technician responsible for the fabrication and bonded assembly portion of the prototype MX Composite Deployment Module (MXCDM). The excellent quality of this prototype unit and the response to a very difficult schedule commitment led to an award for production of 20 R&D units. Anton worked directly with Materials and Processes Engineering, Manufacturing Technology, Tooling, and Design to continue to modify and improve the product during the building of the first four units. In addition to his outstanding job on the assembly task, he presented numerous suggestions for increasing efficiency, which

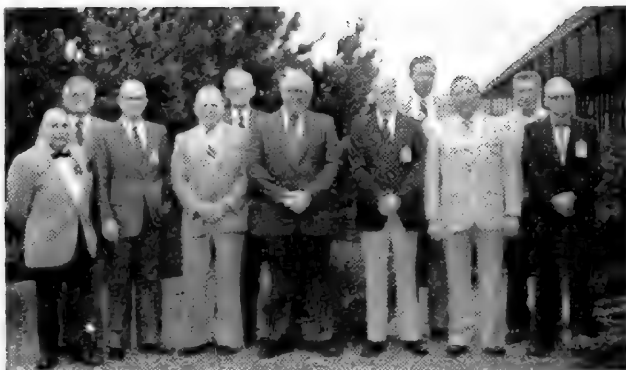
FLIP

have since been implemented. These included improving the assembly flow sequence, developing auxiliary tooling for locating details and hardware, and primary modifications to the assembly fixture.

These People Retired in March

Convair's thanks and best wishes go to each of these employees who retired last month.

| Name | Department | Years of Service |
|----------------------|-----------------------------|------------------|
| Victor M. Barreras | Material Stores | 31 |
| Karl E. Bennett | Plastics | 29 |
| Harry B. Bishop | Tool Design | 29 |
| Joseph G. Card | Guard | 26 |
| George C. Cooper | Peculiar Support Equipment | 31½ |
| Billie L. Creason | Tool Manufacturing | 41½ |
| Donald M. Davis | Industrial Relations | 5 |
| George J. DeBell | DSD Western Center | 20 |
| Robert A. Deutschman | Vehicle Final Assembly | 40 |
| James W. Ensign, Jr. | Logistic Planning | 18 |
| Kenneth L. Giddings | Systems Definition | 26 |
| Arnold H. Hoines | DC-10 Program | 27 |
| Arthur G. Islas | Inspection Machine Parts | 27 |
| Jack J. Jones | Machine Shop | 28½ |
| Judson F. Jones | Drafting | 16 |
| Ann R. Lassen | Dispatch | 34 |
| Robert A. Macomber | Tool Service | 15 |
| Robert F. Means | Tool Manufacturing | 20 |
| Willard B. Moyer | Structural Systems | 38 |
| Donald J. Nash | DC-10 Assembly | 19 |
| John S. Orton | Transportation | 28 |
| Joseph R. Parga | Tool Manufacturing | 32 |
| Joseph Pavlas | Machine Shop | 30 |
| Eugene H. Peppard | Change Board, AGM/BGM | 21 |
| Merna N. Peterson | Spares - Stores | 29 |
| Manuel P. Rebeles | Tool & Die | 39 |
| Floyd S. Rector | DC-10 Subassembly | 41 |
| Alvin L. Reed | ETR - Quality Assurance | 18 |
| Virginia S. Rohr | Engineering Release | 31 |
| Donald B. Seaburg | Assembly Inspection | 41 |
| Clifford L. Slauson | Tool Planning | 17 |
| Noboru Tosaya | Systems Definition | 22 |
| Gerald H. Townsend | Inspection Tooling | 28 |
| Winthrop S. Tucker | Purchasing | 41 |
| William F. Wilkinson | Maintenance | 31 |
| Herman R. Witt | DSD - Manufacturing Systems | 29 |
| Lee L. Yarbrough | Dispatch | 31 |
| Willard B. Moyer | Structural Systems | 38 |



From left to right (years of service in parentheses): Henry Moreno (40), Dan DaPra, Dale Mansfield (35), Don Leinweiber (35), Ruby Williams (40), Dr. Buchanan, Herbert Barnes (40), Ed Squires, Harold Riley (40), Harry Van Buren, Jr. (35), and Lauren Zink (35).

Service Award Breakfast

Honored at a breakfast held in the Kearny Mesa executive dining room on Mar. 26 were employees with 35

or 40 years of dedicated, loyal service to General Dynamics.

A service award was presented by Dr. Buchanan and the division staff member heading the awardee's department. A color photograph was taken of each presentation and will be given to the awardee as a memento of the occasion.

Successful Great Talent Search Reaches Out

Some people may be curious about the Great Talent Search ads appearing last week in the *San Diego Union*. As you know, Convair is looking for many people in a variety of engineering and nonengineering disciplines. One of our most effective recruiting methods has been our employee referral program, the Great Talent Search. This effort continues and many of our Convair employees are receiving great prizes for their qualified engineering referrals. Through your enthusiastic participation in the employee referral program, you've shown us that the Great Talent Search theme is eye catching. So, we are going to expand this theme to encompass our upcoming career conference and future recruiting efforts.

THE GREAT TALENT SEARCH



What does this mean to you? Well, if you know anyone whose experience would be appropriate to Convair's needs, send him or her to the Career Conference on Apr. 24. All applicants will have an opportunity to learn about our current and long range projects and to discuss specific career opportunities with members of our technical staff. And, if your referral is a qualified engineer, you are eligible for a GTS mug and possibly future awards. Look for further details in the *Convair Weekly Log* and the *San Diego Union*.

Save on Contact Lenses

Effective immediately and for a short time only, the group vision program will offer Bausch and Lomb and American Hydron soft contact lenses at \$39 per pair and \$10 off the contact lens examination fee. If you have any questions, call the Safety Office at LF 8186.

Professional Development Course Offered April 27

First-line supervisor program course 1, "Introduction to Supervision," is offered by the NMA Convair Chapter at Kearny Mesa Thursday, Apr. 27, from 4:30 to 6:30 p.m. in building 5, mockup conference room A. The instructor will be Norm Rutherford. Course fees are \$10 for NMA members (refundable upon successful completion) and \$14 for nonmembers. Register with Helen Medeiros at KM 2770.

Group 21 Commercial Supplies

A catalog for commercial supplies (forms and office supplies) is now available. Items not appearing in the catalog, if ordered, will require the signature of a director. If you are not on distribution for the catalog and you need to be, submit an AVO to: W.R. Teran, MZ 81-8351.

Employment

For the week ending Apr. 2, employment was 8,490.

CONVAIR Weekly Log April 19, 1982

Published by the Convair Division of General Dynamics

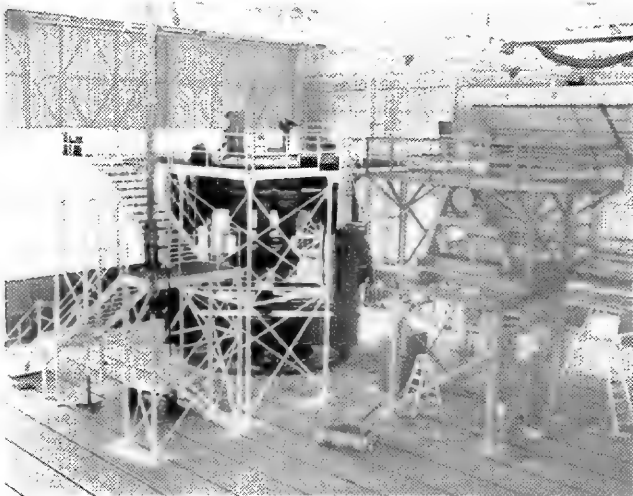


FRANCES NOVAK

Auditor
Department 191-01, Accounts Payable
Kearny Mesa Plant
26 years at Convair

*"Quality means nothing but the best.
" 'Nothing Short of Right Is Right' means motivation,
pride, quality — all rolled into one."*

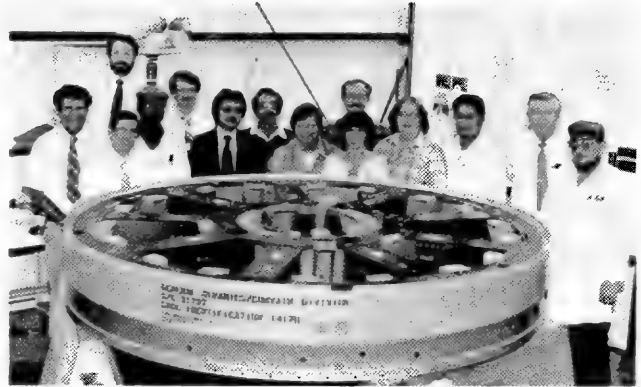
Nothing Short of Right Is Right!



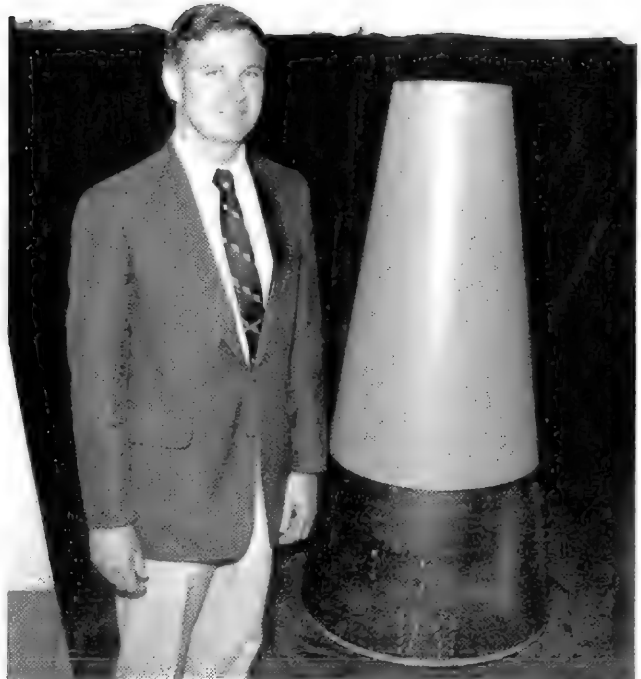
Winding facility for the A-cell and transition coil superconducting magnets.

Winding For MFTF-B Magnet Begins This Week

Winding and assembly of the A-cell magnet for the Mirror Fusion Test Facility (MFTF-B) will begin this week at the Harbor Drive facility. Because the magnet is so large (26 feet from end to end), it requires an extraordinary winding facility. The completed A-cell will weigh 212 tons and contain more than 17 miles of conductor. Upon completion, the magnet will be transported by truck to Lawrence Livermore National Laboratory.



Members of Organics and Composites (Dept. 631) and Metals and Ceramics (Dept. 632) with the MX composite deployment module (MXCDM).



Ken Dawson, Program Manager, stands beside advanced ballistic reentry vehicle composite substructure.

MX Development Program Milestones Met

Continuing our support of the MX development program, Convair recently shipped composite deployment module unit 5 to Avco Systems Division, the prime contractor for the MX reentry system. The deployment module is a 92-inch-diameter platform that supports the array of warheads and associated electronics located at the forward end of the missile. We are currently under contract to supply 20 development articles to Avco, with the subsequent production contract expected to involve 200 to 300 units.

In a program also associated with the MX, Convair will supply Avco with ten development versions of a composite graphite-epoxy conical frustum substructure for the advanced ballistic reentry vehicle (ABRV), a prime candidate for deployment as the MX warhead.

Organics and Composites and Metals and Ceramics personnel have earned commendations for their efforts in manufacturing these high-quality articles under a severely demanding schedule. Engineering was accomplished by Advanced Structures Design (Dept. 673-0).

Great Talent Search Marches On Career Conference Set For April 24

Convair's Great Talent Search Career Conference is scheduled for Saturday, Apr. 24, in the Kearny Mesa Plant main dining room.

As of Apr. 15, more than 100 professionals representing all disciplines had pre-registered for the conference. Word of the conference is spreading rapidly via our radio coverage on KFMB, KSDO, and KMLO, and our advertisements in the *San Diego Union* and *Orange County Register*.

THE GREAT TALENT SEARCH



You, too, can help. If you know anyone whose skills are appropriate for Convair, tell them about the conference. They can pre-register by calling Professional Staffing at KM 6331.

'Let's Go Hawaiian' — June 19-26

NMA Convair Chapter Special Price Tour

Fly to Maui aboard a United DC-10, stay in a completely furnished, one-bedroom condo at the Maui Sunset on the beach, attend a luau (included in the price), and sightsee all week in a rental car (also included). The price is \$1,410 per couple (\$99 less without car). Share your condo with another couple and cut the cost. Make reservations with Shirley Nowlin, KM 1163.

Property Management Association Chapter To Meet

The local chapter of the National Property Management Association will hold its next meeting on Wednesday, Apr. 21, at 5:30 p.m. in the Space conference room, building 26, Kearny Mesa plant. The topic will be property disposal.

The National Property Management Association is composed of property management individuals from government and industry. Monthly meetings educate members on policy and procedures required in daily administration and control of government property, assets, and inventory. All interested persons are invited to attend. For information, call Property Administration, KM 6341.

Professional Development Course Offered April 27

First line supervisor program course 1, "Introduction to Supervision," is being offered by the NMA Convair Chapter at Kearny Mesa, Apr. 27, from 4:30 to 6:30 p.m. in mockup conference room A, building 5. The instructor will be Norm Rutherford. Course fees are \$10 for NMA members (refundable upon successful completion) and \$14 for nonmembers. Register with Helen Medeiros at KM 2770.



Ted Nowaski (left) receives his journeyman certificate from Bill Martin, manager of Tool Manufacturing and Engineering.

Nowaski Earns Early Graduation

Ted Nowaski's outstanding performance in his apprenticeship program recently earned him an early graduation and his journeyman certificate. Nowaski's achievements in school have also been commendable. In June he will receive his Associate in Science degree with high honors. Nowaski's assignment upon graduation was Jig and Fixture Builder. He has subsequently been promoted to Tool Designer.

VIPs Visit Kearny Mesa Plant

W. J. Willoughby, deputy chief of Naval material for reliability, maintainability and quality assurance, and Rear Adm W.M. Locke, director of the Joint Cruise Missiles Project, visited the Kearny Mesa Plant Wednesday, Apr. 14. After reviewing the cruise missile program, Willoughby spoke to Convair employees regarding the importance of "caring" in a successful corporation. Locke stressed that perfection in cruise missile testing is vital to our nation's defense.

Series of Noon Hour Health Talks Scheduled in April

CRA Health-Fitness Center and OPTIONS invite General Dynamics employees to improve their health and professional effectiveness by participating in a series of three lunch-hour talks. The talks will be held in the marketing conference room of building 1 (second floor) at the Kearny Mesa plant for three consecutive days beginning Monday, Apr. 19. Call CRA, KM 1111, for more information.

Need Hourly Overtime Record Adjustment Forms?

Hourly overtime record adjustment forms are now available in Commercial Stores. Labor Relations will no longer be supplying them. Order Material No. 321-976543, Form 7415, Hourly Overtime Record Adjustments, Unit of Issue - PD. These come 50 sheets to a pad.

Back-Care Class April 20

Lawrence Adams, chiropractor, will offer a free lecture-participation back-care class on Tuesday, Apr. 20, from 4:30 to 5:30 p.m. Call CRA Health-Fitness Center for further information, at KM 1111.

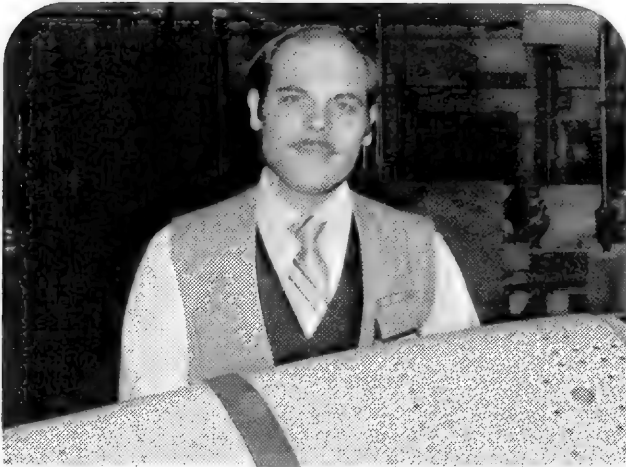
EMPLOYMENT

For the week ending Apr. 2, employment was 8,530.

CONVAIR Weekly Log

April 26, 1982

Published by the Convair Division of General Dynamics



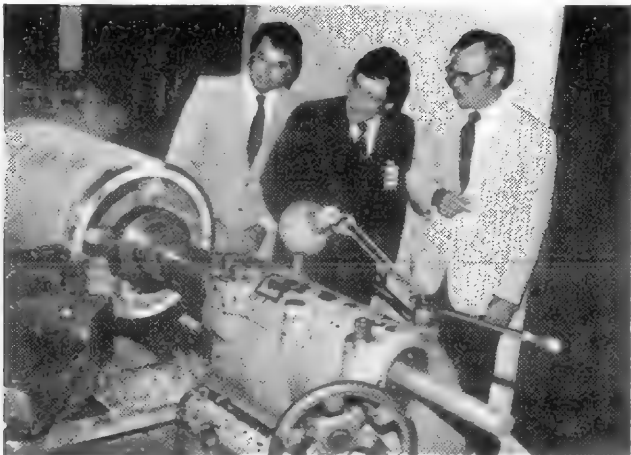
DAVE BERRY

Operations Supervisor
Department 032/733
Kearny Mesa Plant
4 years at Convair

"Quality is striving at all times to do better than just an acceptable job."

"'Nothing Short of Right Is Right' is right on! It is doing the job right rather than working around imperfections. I really think we are making a good stab at it right now."

Nothing Short of Right Is Right!



From left to right, Jim Mousel, Operations representative (Dept. 427), Jim Karam, MRASM program director (Dept. 117), and Jim Reed, MRASM chief engineer (Dept. 600), watch as the "first chips" are cut for MRASM. The first part to be built is the midbody lower skin, which is also common to other cruise missile platforms. This step marks over two years of hard work by the dedicated Convair MRASM team. A total of five MRASMs will be built under our contract.

Weekend Shutoff of Gas and Steam at LF

All natural gas and steam will be turned off at the Lindbergh Field plant from 12:01 a.m., Saturday, May 1, to midnight, Sunday, May 2, to allow rerouting of gas lines for the Space area construction. All questions should be directed to A. H. Damarus, Chief of Maintenance, LF 8215.



Dr. Buchanan presented the Employee of the Year award to Ray Calen, chief of Facilities Planning, at the general manager's meeting for supervisors held April 20 and 21.

Ray Calen Named Employee of the Year

Ray Calen, chief of Facilities Planning (Dept. 243-2), has received the 1981 general manager's award as Employee of the Year. Since he joined Convair 28 years ago, Calen has made significant contributions to our division. He was actively involved in the widening of the Washington Street entrance to the Lindbergh Field plant and also in establishing a precision machine shop in Building 5 at Lindbergh Field. He was instrumental in pulling together a dedicated working team of Operations representatives who developed a facilities plan consolidating the Fabrication shops at Lindbergh Field, Plant 19, and Kearny Mesa. He was also a key member of the DC-10 assembly line consolidation team.

Congratulations to Ray Calen for this well-deserved honor. His professionalism and accomplishments indicate that pride does make the difference.

Electrical Load Scheduling Saves Dollars

Our total utilities bill for March was \$1,132,129; electricity \$885,999, natural gas \$213,459, and water \$32,671. Scheduling large electrical loads such as furnaces and ovens to start after our February and March peak demand alert saved over \$25,000 at Lindbergh Field.



Are You Wearing Safety Glasses on the Job?

Louis "Chavó" Huey, milling machine operator (Dept. 015), is thankful he was wearing his safety glasses recently when fragments from a shattered milling cutter flew up toward his face. Although the impact shattered his glasses (photo above), not a single fragment entered his eyes. This is another reminder of the real value of safety glasses.

NMACC Sponsors 'Western Hoedown' May 22

A trip for two to the Calgary Stampede July 9-12 in Alberta, Canada, will be among the many prizes awarded at the NMA Convair Chapter "Western Hoedown" on Saturday, May 22. The Material Department will host this old-fashioned hoedown at the CRA clubhouse from 6:00 to 11:00 p.m. The evening will feature dancing to live music, performances by two dance troupes, and barbecued chicken and ribs for dinner. Western dress is suggested. Tickets are limited and will be \$8, including the dinner and raffles.

SAFETY SPOTLIGHT



"I figure a few lunch periods are worth it if he learns something!"
Everyone should be familiar with basic first aid procedures.
Knowing what to-and what not to do when injuries occur is vital!

NMACC Offers Money Management Seminar at KM

All Convair employees and spouses are invited to attend a "Successful Money Management" seminar sponsored by the National Management Association Convair Chapter. The course will be held on three consecutive Tuesdays, beginning May 4, from 4:30 p.m. to 6:00 p.m. in the Space conference room, building 26, Kearny Mesa. The seminar discussion leader will be Joseph Apolito, president and chief executive officer of Chapter Resources, Inc. Topics will include inflation, the stock market, mutual funds, and real estate. Cost for the seminar is \$2 per person (refundable to NMACC members upon completion), and attendance is limited to 35. Sign up with Helen Medeiros at KM 2770.

Health-Fitness Center Offers Stop Smoking Program

The CRA Health-Fitness Center is conducting a stop smoking program developed by the American Cancer Society. The program is designed to teach you to understand your smoking habit and then to help you stop. The cost is \$35 with preregistration or \$45 on the day the classes begin. Classes will be held Tuesday and Thursday for three weeks from 4:45 p.m. to 6:45 p.m. in room A of the CRA clubhouse, beginning Apr. 27.

Assertiveness Training Workshop Begins May 3

Stress management consultant Don Levitt will offer a lecture-participation assertiveness training workshop dealing with interpersonal communication. Classes will be held on Mondays, May 3, 10, and 17, from 7:00 to 9:00 p.m. in the CRA clubhouse room A. The cost is \$25. Call CRA Health-Fitness Center (KM 1111) for further information.

Security: It's Everyone's Job

Security is important, especially when you are working in a defense-oriented plant. Here are some tips to help you keep your workplace safe and sound.

- Be sure you properly secure all classified or confidential material when you're not using it.
- If you work in a restricted area, don't be afraid to challenge any visitor's level of clearance and "need-to-know." Deny access to anyone not having proper clearance.
- To discard classified waste material, take it to your Control Station for disposal.

Security is not just Security's responsibility. It's everyone's.

Noon Movie — 'Making Ideas Happen'

This week's movie is presented by Howmet Aluminum Corp. The film takes viewers to many different locations worldwide to show the process of manufacturing aluminum, from the gathering of raw materials to the many uses for the final product.

At Kearny Mesa, showings will be at noon on Wednesday in classroom 3 of building 17 at noon. A volunteer projectionist is needed to resume the 11:00 a.m. showing at KM. Call Bruce Miller at KM 2813 if you are interested. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

Employment

For the week ending Apr. 16, employment was 8,575.

CONVAIR Weekly Log

May 3, 1982

Published by the Convair Division of General Dynamics



BEN VILLANUEVA

Facilities Engineer
Department 243-2
Lindbergh Field Plant
27 years at Convair

"Quality means craftsmanship - putting importance on your job. You have to have pride in what you do and the feeling that your job is your monument to yourself."

Nothing Short of Right is Right!



Brig. Gen. John H. Storrie, USAF director of Space, examines the Atlas space booster. Doug Heydon, director of Space Programs Marketing, is in the background.

U.S. Air Force Space Director Visits Convair

Brig. Gen. John H. Storrie, director of Space at United States Air Force headquarters in Washington, D.C., visited Convair on Tuesday, Apr. 27. He toured the space program assembly areas at Kearny Mesa and was briefed on current and planned space programs.

'DISCUSSION FOR LEARNING'

NMACC Professional Development Course Begins

"Discussion for Learning" is a six-week course that provides practical exercises in leading group discussion. A key topic covered will be how to control and get the most out of a group discussion. The class will meet on Tuesdays from 4:30 to 6:30 p.m. starting May 11 in the Boeing conference room of building 4 at Lindbergh Field. Class instructor is Julian Jager.

The course is offered by the National Management Association Convair Chapter and is open to all Convair employees. The registration fee is \$12 and is refundable to NMA members upon completion. Call Randy Torres at KM 1809 to register.

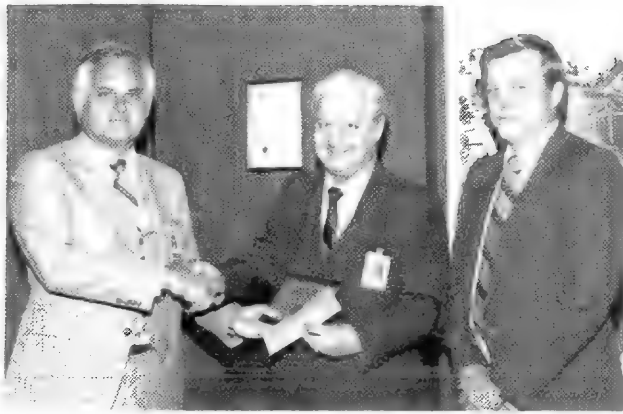


Left to right: Bruno Bracka, director of Structures and Design (Dept. 640), presents cash awards and NASA Certificates of Recognition to Lee Browning, chief of Advanced Design (Dept. 673), and Hans Stocker, engineering specialist (Dept. 691).

NASA Awards Presented to Two Convair Employees

Cash awards of \$100 and NASA Certificates of Recognition were recently presented to Lee Browning, chief, Advanced Design (Dept. 673), and Hans Stocker, engineering specialist (Dept. 691), for the development and reporting of a solar blanket storage and deployment canister concept. This technical innovation was subsequently published as a NASA Tech Brief. The awards are authorized by the National Aeronautics and Space Act of 1958 and were granted by the administrator of NASA following recommendation by NASA's Inventions and Contributions Board.

In a letter to Dr. Buchanan, Glen E. Brace, chief of the awards office at the Lyndon B. Johnson Space Center, expressed "gratitude for the contribution your organization and its employees have made to the success of NASA's monetary awards program." Browning and Stocker will be eligible for supplemental awards if additional applications or increased use of their innovations occur in the future.



Dan Da Pra, vice president of Engineering, presents cash award to Don Holzer for his employee suggestion as Don Nirschl, chief of Engineering Test Labs (Dept. 661), looks on.

Employee Suggestion Gets Don Holzer Cash Award

Don Holzer of the Engineering Test Labs (Dept. 661) was recently awarded \$1,460 for his suggestion to combine the Cruise Missile Engineering Test and Operations Support Groups WAPs for CIMS II. Previously, these had been prepared separately. Holzer's suggestion eliminated redundant efforts, resulting in substantial cost reduction, with the added benefit of expediting WAP processing. This is Holzer's third suggestion award in the past year for a total of \$5,130. Congratulations and thanks for helping us be more efficient.



Andy Robertson (right), acting director of Manufacturing Engineering, presents employee of the month award to Charley Martinez (Dept. 455). Bill Martin and Jim Cortez (Dept. 455) add their congratulations.

Martinez Wins Employee of the Month Award

Charley Martinez was recently named Manufacturing Engineering employee of the month for March. During the last six months, Charley has been assigned to the DC-10/KC-10 consolidation task for the relocation of the major assembly fixtures from building 3 to building 2 at the Lindbergh Field plant. His hard work and long hours produced a manhour saving of 15,000 hours, resulting in a cost saving of \$615,000.

Notice to Employees Who are Moving

If you are in the process of moving from one location to another and if your file drawers or cabinets contain forms your department no longer uses, please send a sample of each form together with an AVO to Forms Management, MZ 15-1980, with instructions to discontinue the form. This is a good time to clean up and clean out.



San Diego Blood Bank Expresses Appreciation

Debbie Syverson of the San Diego Blood Bank recently presented a football signed by members of the San Diego Chargers to Augie Daddi, director of Industrial Relations (see photo). The gift of appreciation was for the outstanding participation of Convair and Data Systems Division/Western Center employees in the March blood drive. Six hundred forty-six potential donors came forward, and 580 units were drawn. Well done to all who shared themselves.

All employees and their eligible dependents may draw from the Convair reserve fund. No employee needs to solicit his or her own donors in time of need. If you or your dependents require units from the blood bank, bring or send your billing to Employee Benefits (MZ 50-1311). Credits will be transferred to your account from the Convair blood reserve fund, thereby reducing or eliminating blood bank charges. Any questions concerning eligibility should be directed to Employee Benefits, KM 2657.

DC-10 Fuselage Delivered

DC-10 fuselage 390 was delivered to McDonnell Douglas Aircraft Co., Long Beach, on Friday, Apr. 30.

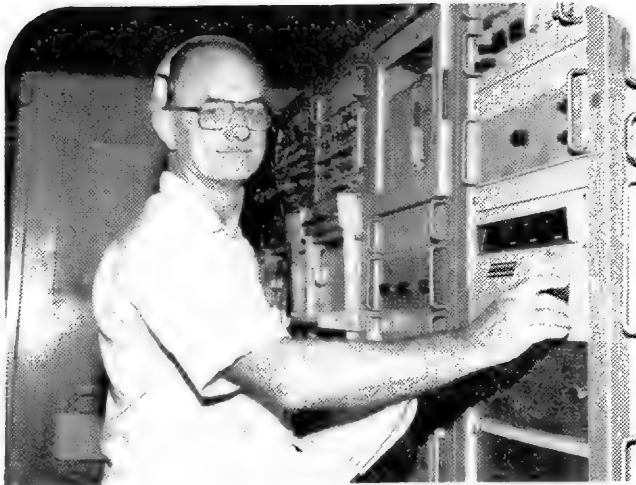
Employment

For the week ending Apr. 23, employment was 8,609.

CONVAIR Weekly Log

May 10, 1982

Published by the Convair Division of General Dynamics

**WILLIAM BEERS**

Group Leader, Electrical Checkout
Department 761-0
Atlas/Centaur Final Assembly
Kearny Mesa Plant
32 years at Convair

"Quality in my work is something that I strive for. When Major Fleet put the 'Nothing Short of Right is Right' slogan up on the wall, it gave me a feeling of his integrity. This was a message from the top man that this is what he wanted. I agreed then and I agree now."

Nothing Short of Right Is Right!

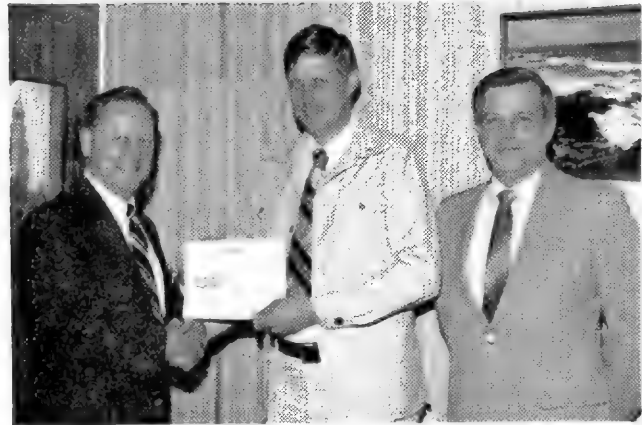
Savings and Stock Plan Values for March

| | 1980 | 1981 | 1982 |
|-----------------------|-------------------|-------------------|-------------------|
| Salaried | | | |
| Government Bonds | \$ 2.3372 | \$ 2.5835 | \$ 2.8632 |
| Diversified Portfolio | 1.6055 | 2.1869 | 1.9218 |
| Fixed Income | 1.0719 | 1.1850 | 1.3182 |
| Hourly | | | |
| Government Bonds | 2.3363 | 2.5811 | 2.8598 |
| Diversified Portfolio | 1.6388 | 2.2351 | 1.9617 |
| GD Stock | \$33.5600* | \$33.5000* | \$24.1250* |

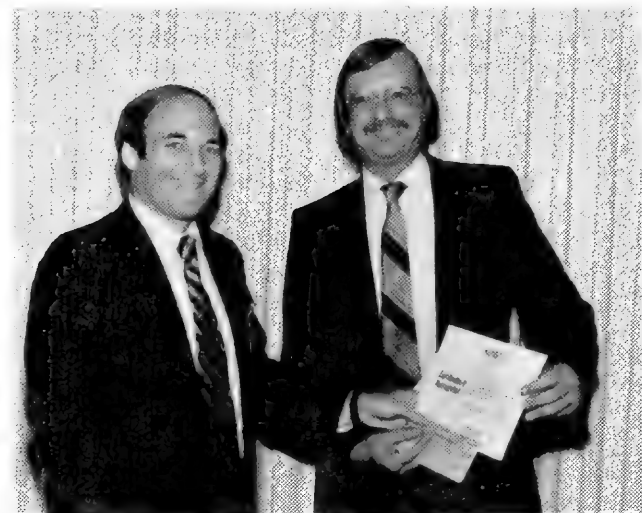
*Reflects 2-for-1 stock split of November 1980.

New Withholding Forms W-4

If you feel that not enough or too much Federal income tax is being withheld from your pay, you need to complete Form W-4 to request a change. The new forms with instructions (revised January 1982) are available at employee benefits offices at Lindbergh Field and Kearny Mesa.



Don Page receives NASA Certificate of Recognition and cash award from Bill Phillipp, director of Test & Evaluation, as Don Nirschl, chief, Engineering Test Labs, looks on.



Ed Kleidon receives NASA Certificate of Recognition and cash award from Marty Winkler, director, Avionics.

NASA Recognizes Convair Employees

Cash awards of \$100 and NASA certificates of recognition were recently awarded to two Convair employees, Don Page of Engineering Test Labs and Ed Kleidon, senior engineer, Avionics. Page was recognized for his part in the development of technology in ultrasonic welding of graphite/thermoplastic composite material in a simulated space environment. Kleidon won recognition for his contribution to the development and reporting of a solar blanket storage and deployment canister concept.

The awards are authorized by the National Aeronautics and Space Act of 1958 and were granted by the Administrator of NASA, following recommendation by NASA's Inventions and Contributions Board.



Bev Harman receives the YWCA TWIN award from Phil Poehman, manager, Material Operations and Material Program Control.

Bev Harman Receives YWCA TWIN Award

Bev Harman, chief, Material Control, was recently named by the San Diego County YWCA as an honoree of the Tribute to Women in Industry (TWIN). This year's TWIN recipients were honored at a luncheon May 6. This annual YWCA event salutes women who have made a significant contribution in managerial, executive, or professional roles. Harman has been with Convair since 1967 and has held a wide range of assignments, including business manager for the cruise missile production line and business management for the DC-10 program. Currently, she is in charge of ordering and tracking all Division inventory material.



Shown inspecting the Viking construction site are, left to right: Tom Parmarter, operations general supervisor, Low Rate Production; Greg Nestor, field engineer, Facilities Engineering; Bao Lam, machine operator, Low Rate Production; and Teri Norris, facilities engineer, Facilities Planning.

New Viking Mill to Be Installed This Summer

Many of you have probably noticed the construction site in building 5 at Kearny Mesa, east of the cruise missile final assembly area. The foundation is under construction for a new Viking four-axis mill (see photo below). The Viking will be installed early this summer to meet our increasing cruise missile machining needs.

Professional Development Courses Offered in May

'**Time: Delegation-Perception**' is a two-week course in which participants learn to recognize the value of time management, use effective delegation, and relate their roles to others in the work environment. The class will meet on Tuesdays from 4:30 to 6:30 p.m. starting May 18, in the "think tank" of building 26 (second floor, column J-17) at Kearny Mesa. Class instructor is Dan Kuczyn. The course is offered by the National Management Association Convair Chapter and is open to all Convair employees. The registration fee is \$7.50, refundable to NMACC members upon completion. Call Randy Torres, KM 1809, to register.

'**Effective Viewgraph Presentations**' is a two-week course that details the simple steps everyone can take to ensure that his or her presentation will be both informative and persuasive. The class will meet on Wednesdays from 5:00 to 7:00 p.m., starting May 26, in the Convair cafeteria at Kearny Mesa. The course is offered by the Convair Toastmasters in conjunction with the NMACC and is open to all Convair employees. The registration fee of \$7.50 is refundable to NMACC members upon completion. Call Dennis Uhlken at KM 6096 to register by May 21.

'**Discussion for Learning**' is a six-week course that provides practical exercises in leading group discussion. The class will meet on Tuesdays from 4:30 to 6:30 p.m. starting May 11 in the Boeing conference room of building 4 at Lindbergh Field. Class instructor is Julian Jager. The course is offered by the NMACC and is open to all Convair employees. The registration fee of \$12 is refundable to NMA members upon completion. Call Randy Torres, KM 1809, to register.

Convair Presentation at ISPA Conference

Jim Fox, Economic Analysis, was a participant last week at the International Society of Parametric Analysts annual conference in Virginia Beach, Virginia. Fox's paper, "Design-to-Cost Modeling for the Cruise Missile," was coauthored by Bob Butts, also of Economic Analysis.

Geological Hazards Subject of Noon Movie

"When the Earth Moves," a film produced by the U.S. Geological Survey, is about geological hazards, the dangers associated with them, and their probable locations. At Kearny Mesa, the showing will be at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m. A volunteer projectionist is needed to resume the 11:00 a.m. showing at Kearny Mesa. Call Bruce Miller at KM 2813 if you are interested.

Employment

For the week ending Apr. 30, employment was 8,623.

Conceit is an illness that makes others sick.

CONVAIR Weekly Log

May 17, 1982

Published by the Convair Division of General Dynamics

**AMALIA L. KING**

Electronics Assembler A
Department 050, Avionics
Kearny Mesa Plant
15 years at Convair

"Quality to me is striving to build reliability into our products. We are building something very important — a cruise missile — and if we are conscientious, we will not let anything go by unless it is right."

Nothing Short of Right Is Right!



All three shifts of the Machine Shop at Plant 19 were recently treated to coffee and donuts in appreciation for their efforts in improving realization, standard hours, and quality scrap and rework. For the first quarter of 1982, goals were met and exceeded at all cost centers.

Health-Fitness Center Offers Free Mini-Profile at LF

The CRA Health-Fitness Center will offer free mini health profiles and an aerobic dance exhibition in the auditorium at Lindbergh Field on Wednesday, May 19, from 11:00 a.m. to 1:00 p.m. CRA instructors will test blood pressure, resting heart rate, and evaluate lifestyle.

For more information, call the CRA salesbooth at LF 8317 on Monday, Wednesday, or Friday, or contact the Health-Fitness Center at KM 1111.

Tech Pubs 'Mini' Group Remains in Building 26

The Technical Publications group, now moved offsite to facilities at Seville Plaza, will maintain an in-plant "mini" group located on the first floor of building 26 (column C-19), KM 2785 or 2787. This group will continue to support technical report and viewgraph needs by coordinating with the offsite group. Call Joe Hoover, KM 3722, or Charlie Johnson, KM 1852, if you have any questions.

Open House for Cruise Missile Personnel

Cruise Missile Operations departments at Kearny Mesa will host a tour of their facilities on Saturday, May 22, from 9:00 a.m. to noon. Only Convair employees are invited. Entrance to the cruise missile final assembly area is by way of the control center, column D-8, building 5.



Governor Jerry Brown visited the Kearny Mesa plant on Thursday, May 13, for briefings on Convair programs and a facility tour. Pictured above (left to right) are Lynn Schenk, secretary, Business, Transportation and Housing Agency; Dr. Buchanan; Governor Brown; and Bill Rector, vice president, Space.

Safety Awards Presented to Convair ETR Employees

Convair Operations at the Eastern Test Range earned two awards in the annual Kennedy Space Center contractor safety awards. The NASA Center director's award (the highest safety award attainable) and an accident prevention certificate for no lost-time injuries in 1981 were presented to the ETR employees in May. This excellent safety record is to be commended.

Housing for Summer Interns Needed

College students will be working at Convair again this summer. The intern program allows students to gain practical work experience related to their academic major. It is also intended to attract future candidates for professional and administrative positions. If you are interested in providing or renting a room to a student from June through August, contact College Relations at KM 6065 or MZ 11-1343.

Bus Schedule for All Plant Locations

Effective May 10, 1982, a new bus schedule went into effect for the KM-Seville Plaza-DatagraphiX bus route. The KM-Corporate Court-AF Plant 19-LF route remains the same. The schedules with departure times are: **KM-Corporate Court-AF Plant 19-LF.** Departs KM with stops at Corporate Court, AF Plant 19, and LF (bus stops the same). Return trip departs LF with stops at Plant 19, Corporate Court, and KM:

KM to LF via CC & AF19: 7:00, 8:30, 10:00, 11:30, 1:00, 3:00

LF to KM via AF19 & CC: 7:50, 9:20, 10:50, 12:20, 1:50, 3:50

AF19 to LF: 7:25, 8:55, 10:25, 11:55, 1:25, 3:25

AF19 to KM via CC: 7:55, 9:25, 10:55, 12:25, 1:55, 3:55

CC to LF via AF19: 7:10, 8:40, 10:10, 11:40, 1:10, 3:10

CC to KM: 8:15, 9:45, 11:15, 12:45, 2:15, 4:15 (arr KM 4:20)

KM-Seville Plaza-DatagraphiX. Departs KM with stops at Seville Plaza (front parking lot) and DatagraphiX (parking lot). Returns trips depart DatagraphiX with stops at Seville Plaza and KM:

KM to DG via SP: 7:40, 9:10, 10:40, 12:10, 2:10

SP to KM via DG: 7:45, 9:15, 10:45, 12:15, 2:25

DG to KM via SP: 8:00, 9:30, 11:00, 12:30, 2:30

SP to KM: 8:20, 9:40, 11:20, 12:50, 2:50

Last run of day departs KM at 2:10 p.m. Returns at 3:30 p.m.

Call KM.1515 if you have any questions.



Dr. Terry A. Straeter, director, DSD Western Center, presents an Employee Suggestion Award to Nancy Hulet and other Quality Action Circle members (left to right): Deborah Shelly, John Heinen, Diane Ferland, Linda Johnson, Don Simons, Jim Zawadski, Joe Alder, Neil Stiles, Cathy Otte, and Doug Smith.

Western Center Quality Circle Gains Cash Award

Members of Quality Action Circle recently shared an Employee Suggestion Award for their suggestion to reduce the number of magnetic tapes sent yearly to off-site destinations. Their solution to reduce annual tape prints and eliminate special handling resulted in an annual saving of \$4,070. The eleven Circle members each received \$37 from the cash award. Congratulations to the Quality Action Circle and leader Doug Smith.

Cooking Class and Demonstration Offered by CRA

Linda Gross, founder of Nutri-Fun, will present a class on creative meal planning on Mondays beginning June 7

from 4:45 to 6:45. The class will run for four weeks and will focus on nutritious eating and health habits that lead to a more balanced lifestyle. Cost is \$40 for Health-Fitness members and \$48 for nonmembers. On Wednesday, June 2, the Health-Fitness Center will offer a free demonstration in the cafeteria at KM from 11:15 to 12:30 on nutritious cooking. For information, contact the Health-Fitness Center at KM 1111.



Tom Laymon (second from left), driver for Fiesta Catering, extends his thanks to Convair firefighters Larry Killian and Jim Schatte, and plant guard Joe Catlin.

Convair Firefighters Respond to Emergency

Tom Laymon, driver for Fiesta Catering, got together recently with Convair plant guard Joe Catlin and firefighters Larry Killian and Jim Schatte to express his gratitude for their efforts on his behalf. Laymon was injured last winter at the Kearny Mesa plant when the battery in his lunch truck exploded in his face. The quick actions of Catlin and the competent emergency treatment by Killian, Schatte, and Jack Boucher (missing from the photo above) helped prevent permanent damage to Laymon's eyes. In a letter to General Dynamics, David McCollam, general manager of Fiesta Catering, also expressed his appreciation and cited the "super capable, caring people" who handled this potentially serious situation.

Steel Manufacture Subject of Noon Movie

"Steelmakers," a film produced by the Bethlehem Steel Corporation, presents the story of steel manufacture. At Kearny Mesa, the showing will be at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m. A volunteer projectionist is needed to resume the 11:00 a.m. showing at KM. Call Bruce Miller at KM 2813 if you are interested.

Employment

For the week ending May 7, employment was 8,645.

CONVAIR Weekly Log

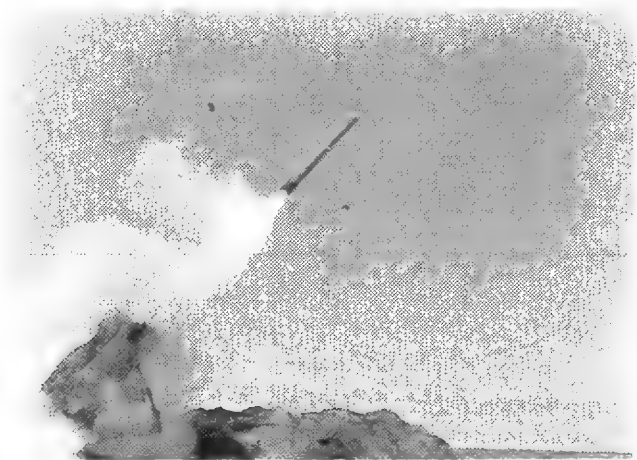
May 24, 1982

Published by the Convair Division of General Dynamics

**MARY THOMPSON**

Cost Accounting Clerk
Department 193-1
Kearny Mesa Plant
9 months at Convair

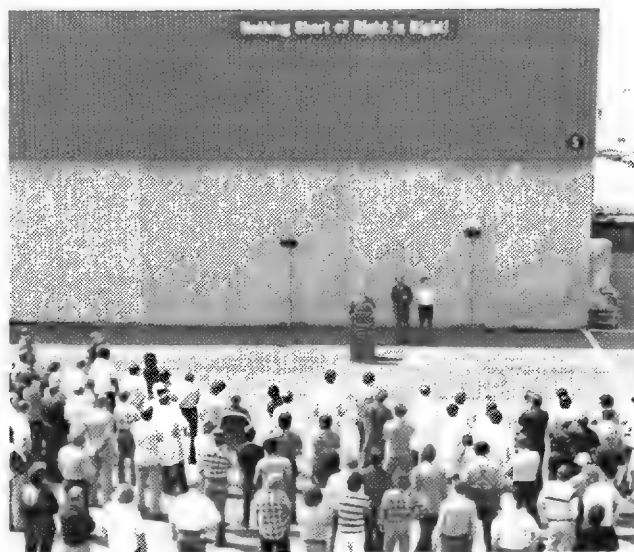
"Quality is doing your job with pride every time. In a sense 'Nothing Short of Right Is Right' refers to the same thing - knowing that you did something to your highest capacity."



GLCM Flies Successful Test Mission

The first flight in the Air Force test and evaluation segment of the Ground Launched Cruise Missile Weapon System development test program was successfully conducted on May 19 at the Utah Test and Training Range. The BGM-109G missile, carrying a Department of Energy W84 flight test unit, was launched from the

transporter-erector-launcher (TEL) commanded by the launch control center (LCC). After launch and transition to cruise flight, the vehicle successfully conducted a mission of approximately two hours duration that included terrain-following and guidance performance evaluations, time-of-arrival tests, airspeed data points, warhead-arming tests, two target overflights, and a successful recovery.



'Nothing Short of Right Is Right' Banners Raised

On May 14, a familiar slogan went up on the side of building 5 at Kearny Mesa (see photo above). Employees gathered beneath the new "Nothing Short of Right Is Right" banner to listen to Dr. Buchanan; Col. Jesse Bass, USAF, commander, DCASPRO/General Dynamics; and Commander David Wynne, USN, JCMPO technical representative. The speakers emphasized that in today's economy, with many companies competing for scarce government dollars, it is imperative that our work reflects this slogan.

Banners were also raised at Lindbergh Field and Plant 19 on May 17. Employees gathered at these locations to hear Ken Lake, vice president, Operations; Ed Squires, vice president, Production; Maj. Robert Simpson, USAF, cruise missile project officer; and Commander Wynne. Lake pointed out that the slogan on the banner is more than just words - it is a philosophy. Companies that stay in business are the ones whose employees take this slogan to heart.

MGD Launch a Successful Mission

On May 14 the first free flight of the midcourse guidance demonstration (MGD) vehicle took place at Eglin AFB, Florida. The MGD vehicle was launched from an F-4E aircraft after alignment and calibration of its low-cost inertial system by the pod-mounted accurate navigator. This technique, called unaided tactical

guidance, was verified in this free flight and preceding captive flights. The mission scored several firsts, including the use of federated computers programmed in higher order language (Jovial 73). The vehicle used an all-digital control system as well. The digital integrating subsystem (DIS) computers, built by Convair under a separate contract, were modified and improved for free flights.

The MGD vehicle, almost five feet longer than Tomahawk, is designed as a flying testbed for cruise missile guidance systems and other subsystems. The on-site launch team, headed by Gary Tragesser (Dept. 662), includes Al Hunt and Juan Kimbro (Dept. 662), Dick Wood and Don Jaszewski (Dept. 626), and Leo Wilson (Dept. 031), as well as other MGD project and engineering personnel. All personnel associated with MGD have earned a "well done" for outstanding performance.



EXCEL Awards Go to ILS Employees

Several Integrated Logistic Support employees received EXCEL awards on May 13 (left to right in photo above): Watse Oostenveld, logistics administrator, for innovative ideas in providing equipment to resolve problems with fault isolation in the GLCM TEL and LCC; Sheryl Smee, engineer, for her efforts in establishing the Network Scheduling System; George Roos, director, ILS; Harold Hainley, technical publications specialist, for implementing a new word processing system; and Ken Smith, logistics administrator, for his personal efforts in providing around-the-clock support for shipment of material to GLCM site activities.

Make Stock and Savings Changes Now

May is the month for you to make changes in your stock and savings plan or enroll if you now have one year of service. These changes will become effective as of the first full paycheck in July. If you have one year of service with General Dynamics and have not been contacted by Employee Benefits, call KM 2559 to clarify your eligibility. This is especially important if you were hired during the last several months and have previous General Dynamics service. Detailed plan information, and enrollment and change forms are available at Employee Benefits.

Notice from Group Vision Program

The special on Bausch & Lomb soft contact lenses will be ending on June 1. If you are planning to get contact lenses, hurry to take advantage of this special before it ends.



Alex Leondis (second from right) receives a NASA award from Bruno Bracka, director, Structures & Design; Bill Kittle, chief, Structural Dynamics; and Erich Wolf, manager, Structural Analysis.

Alex Leondis Receives NASA Award

A cash award of \$100 and a NASA Certificate of Recognition were recently presented to Alex Leondis, engineering specialist in Structural Dynamics, for innovative development of a tetrahedral truss simplification analogy. Leondis developed the analogy through his work on a NASA contract for development of a computer program to effectively model and synthesize large space structures. The award was made in a letter to Dr. Buchanan from John Samos, head of the Technology Utilization and Applications office at Langley Research Center.



Left to right: Sue Odom, Small Business Administration, Convair; Bill and Andrea Kousens; Will Buxton, manager, Operations Procurement; Jim Redfield, purchasing agent; Chuck Stith, technical buyer.

Convair Presents 'Small Business of the Year' Award

Will Buxton, manager of Operations Procurement, recently presented the "Small Business of the Year" award to Bill Kousens, owner and general manager of Peerless Manufacturing Company at a luncheon on May 14. The San Diego Chamber of Commerce and the Small Business Administration hosted the luncheon to honor the respective choices of local, large contractors for this award.

Employment

For the week ending May 14, employment was 8,671.

CONVAIR Weekly Log

June 1, 1982

Published by the Convair Division of General Dynamics

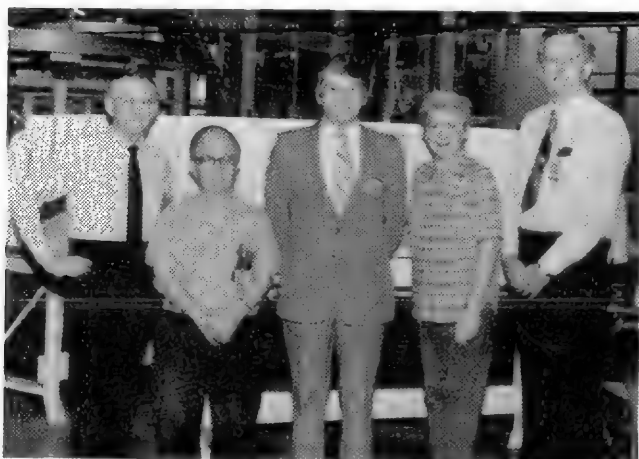
**CAROL SNIDER**

Statistical Clerk
Dept. 223-1, Manufacturing Control
Lindbergh Field Plant
6 months at Convair

"Quality means doing your best and doing your job right the first time. The finished product should be something that you can be proud of, something that reflects on you."

"Nothing Short of Right Is Right" means that no matter how minute the error, it is still an error. It is not right."

Nothing Short of Right Is Right!



"Nothing Short of Right Is Right" means zero defects. Left to right: Maynard Bjorstrom, general supervisor, Operations; John Luzader, missile assembly mechanic; Ken Lake, vice president, Operations; Jackie Janeck, missile assembly mechanic; and Chuck Lacy, superintendent, Operations. Luzader and Janeck have been recognized for quality workmanship in the assembly of Centaur stub adapters. The units are being assembled with zero defects in the true spirit of "Nothing Short of Right Is Right."



Dr. Buchanan accepts the Chairman's Award for excellence in safety performance for 1981 from R. E. Adams, executive vice president, Aerospace.

EIGHTH CONSECUTIVE YEAR

Convair Receives Corporate Recognition for Safety

For the eighth consecutive year, Convair Division has received corporate recognition for its safety performance. The Chairman's Award for excellence in safety performance is given each year to any General Dynamics division whose safety record is substantially better than the average for its own industry. The division must also have conducted an active and comprehensive loss control program that meets or exceeds corporate standards. As an example of Convair's achievement, the lost workday incident rate for 1981 was 76.7% lower than the national average. All Convair employees can be proud of this fine record.

Quality Circle Projects Adopted

As a result of the Quality Circle efforts in Dept. 050, two new changes are taking place in building 27. A tool crib has been established and an attendant hired in Avionics Manufacturing. Standard operating procedures are now being developed to ensure the effective distribution and calibration of tools and to eliminate shortages of materials. Also, all overhead lights have been replaced with higher intensity bulbs. The increased lighting will enable employees to build and inspect their work more efficiently and accurately. Both projects will be completed by June 1982. Thanks to Circle members: Russ Stahlak, Anna Allison, Nieves Stookins, Evelyn Ward, Leonia Sanchez, Martha Magee, Helga Stargardt, Andy Foster, Gloria Arellano, and Pat Gallegos.

Convair Plays Key Role at SAWE Conference

Several Convair employees made presentations and provided leadership at the 41st Annual International Conference of the Society of Allied Weight Engineers (SAWE) May 17-19 in San Jose. Bob Johnston (Dept. 111) served as chairman of the cost analysis and control session. Bob Butts (Dept. 111) presented a paper in that session coauthored by Jim Fox (Dept. 111). Paul Slysh

(Dept. 565) was cochairman of the space structures and systems session, and Dennis Stachowitz (Dept. 604) presented a paper in that session. Gary Balthrop (Dept. 111) presented a paper in the engineering management session, and also coordinated conference vendor exhibits and demonstrations.

They Retired in May

Best wishes go to the following May retirees.

| Name | | Years of Service |
|-----------------------|----------------------------------|------------------|
| Herbert G. Barnes | Operations supervisor | 41 |
| James B. Bence | Group leader | 41 |
| James K. Bennett | Senior test engineer | 35 |
| Harrell T. Chambers | Aircraft assembler | 31 |
| Arthur M. Colvin | Engineering specialist | 28 |
| Arnold L. "Doc" Deane | Purchasing agent | 21 |
| Raymond H. Gordon | Senior engineer | 25 |
| Harry D. Heyenga | Mockup mechanic | 41½ |
| Armand D. Mattia | Engineering specialist | 28 |
| Earl E. McDaniel | Senior planner | 39 |
| William Minando | Estimating specialist | 31 |
| Simon C. Padilla | Senior software engineer | 39 |
| Henry O. Palmer, Jr. | Senior engineer | 13 |
| Rufus L. Patrick | Operations general supervisor | 27 |
| Jack C. Robinette | Maintenance mechanic | 7 |
| Arnold D. Shaw | Turret lathe operator | 31 |
| Richard L. Smith | Senior engineer | 22 |
| Frank L. Thames | Security guard | 25 |
| Jacquelyn J. Thompson | Aircraft assembler | 7 |
| Charles N. Traunero | Duplicating & profile machinist | 23 |
| Lowell Wayne Turner | Senior industrial relations rep. | 33½ |
| Stuart J. Williams | Tooling supervisor | 42 |
| Leonard V. Wisniew | Material relations analyst | 42 |
| Louise J. Zupon | Accountant | 26 |



Klaus Flitner, chairman of Family Fun Day, Cheryl Williams, and Rebecca Wilson show off the drawing grand prize.

Convair Family Fun Day Set for July 18

Convair's Annual Family Fun Day, the picnic in Missile Park co-sponsored by NMA Convair Chapter, CRA, and Convair Operations Department, is planned for Sunday, July 18. This year's special grand prize drawing will be a new 1982 Ford Escort sedan. Tickets for the drawing are only \$1 and are available at 15 locations throughout Convair. Check your bulletin boards for location. The Ford Escort will be on display at Plant 19 (main gate) on June 1 and 2 and at Kearny Mesa (various locations) June 3 through 9. Tickets will be available wherever the car is displayed from 6:30 to 7:30 a.m. and 3:30 to 4:30 p.m. Other special drawing prizes are a 35mm camera and a 40-channel CB radio. Winning ticket holders need not be present. Call Tommy Thompson at LF 8449 for further information.

It Pays to Turn Off the Lights

Our total utilities bill for April was \$1,091,898. Electricity cost \$878,496, natural gas \$171,285, and water \$42,117. Convair's largest single utility expense is for lighting. Many areas have adequate natural light from windows and skylights. You can help cut our utilities cost by turning off lights when natural light is available and when you leave your workbench, desk, drawing board, or office.

Lindbergh Field Salvage Yard Sale June 5

The next scheduled salvage yard sale is Saturday, June 5. Parking will be available behind the LF plant near the Washington Street entrance. Entrance to the yard will be from the Washington Street gate only. Due to plant demolition and rearrangement at Lindbergh Field, there will be no more employee salvage yard sales during lunch time until further notice. Material can be purchased at the regularly scheduled salvage yard sales.

Health-Fitness Program Offered at LF

Shape-Up. This seven-week exercise class will meet on Monday, Wednesday, and Friday beginning June 7. The first two class meetings will be in rooms 4 and 5 of building 14. Everyone who completes the class will receive a T-shirt that says "I survived the first Shape-Up class at Lindbergh Field." The cost is \$40 and it's payroll deductible. Call the CRA salesbooth (LF 8317) or the Health-Fitness Center (KM 1111) for details.

NMA Scholarships to Be Awarded June 28

The NMA Convair Chapter's annual scholarship awards night and installation of officers dinner meeting will be on Monday, June 28, in the Grand Ballroom of the Sheraton Harbor Hotel. The social hour will begin at 5:00 p.m. with dinner at 6:00 p.m. Jack Farrell, a personality development and self-improvement specialist, will speak on the topic "Looking Good, Sounding Better, Being Your Best." All General Dynamics employees are invited. Tickets cost \$5 for members and \$9 for non-members and are available from chapter boosters.

NMACC 'Let's Go Cruising' Fall Trips Planned

Mexican Riviera. Oct. 23-30, fly to Los Angeles and cruise aboard the *Sun Princess* (Love Boat) to Acapulco, with stops at Mazatlan, Puerto Vallarta, Manzanillo, and an option of two free nights at the Condesa del Mar, Acapulco, at the end of the cruise. The fare is \$1,218 to \$1,504 per person, double occupancy, with a deposit of \$400 per couple.

Gala Mediterranean. Departs Sept. 22, 1983, for 15 days. Fly to Lisbon and board the *Golden Odyssey* for a trip through the Mediterranean with stops at Gibraltar, Malaga (Granada), Palma, Nice, Villefranche (see Monaco), Florence, Pisa, Naples, Mykonos, and Athens. A deposit of \$800 per couple is required. Deposits for this trip and the Mexico tour should be made as soon as possible. For more information, call Shirley Nowlin, KM 1163, MZ 31-1011.

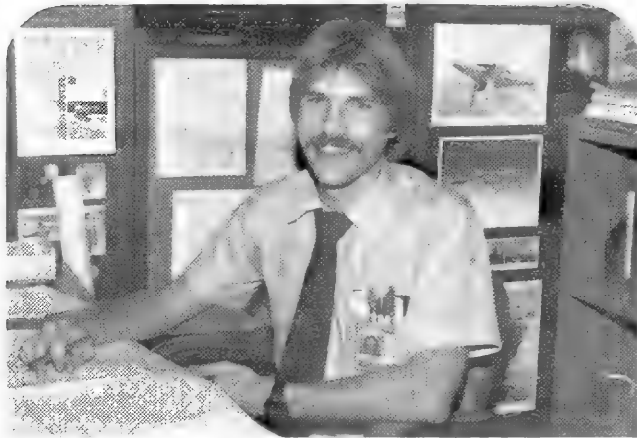
Employment

For the week ending May 21, employment was 8,687.

CONVAIR Weekly Log

June 7, 1982

Published by the Convair Division of General Dynamics



ED SEENE

Area Industrial Engineer
Dept. 241-1, Industrial Engineering
2 years at Convair

"Quality means getting something right the first time. If it does not come out right the first time, the quality was not there."

It also means having pride in doing a good job.

'Nothing Short of Right is Right' goes hand in hand with doing it right the first time — not cutting corners."

Nothing Short of Right is Right!

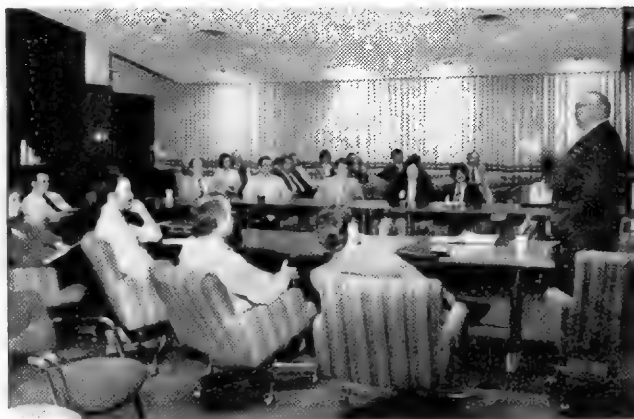


Left to right: Stephen Teggart, 40 years; Foy Slayton, 40 years; Paul Perrero, 35 years; Gene Watson, 40 years; Kim Hong, 35 years; Dan DaPra; Dr. Buchanan; Ken Lake; William Walker, 35 years; Hubert Jones, 35 years; Joe Hooker, 40 years; John Silverstein; Colonel Roach Jr., 40 years.

Award Breakfast Honors Long-Term Employees

Employees with 35 or 40 years of service to General Dynamics were honored at a breakfast held in the Kearny Mesa executive dining room on May 21.

Each employee received a service award presented by Dr. Buchanan and the division staff member responsible for the awardee's department. A color photograph of each presentation will be given to the awardee as a memento of the occasion. Special thanks to these employees for the experience and knowledge they have contributed to the company over the years.



The final session of the Convairsations with Management program was addressed by Dr. Buchanan on May 27. He provided a general division overview and discussed the importance and purpose of the eight-year strategic plan and the division operating plan. A lively hour-long question-and-answer period followed. The program was sponsored by the NMA Convair Chapter on an annual basis. Watch the Weekly Log for future program schedules.

Employee Suggestion "Appreciation Drawing"

Since its inception, the Cost Reduction Program at Convair has achieved a total savings to the division in excess of \$31.7 million. In the first quarter of 1982 alone, 315 suggestors have shared \$37,572 in awards, and saved Convair \$386,745. In an effort to further reward continuing participants and to encourage those who have yet to participate, all suggestions submitted by eligible Convair employees between June 7 and July 23 will be entitled to participate in an "appreciation drawing".

The drawing date is July 28, 1982 and prizes are:

- 1st place: Choice of 45-piece set Mikasa fine ivory China, RCA tv + AM/FM radio + digital clock, Hamilton diamond watch, Hoover Concept I vacuum cleaner.
- 2nd place: Choice of GE Computeradio program-mable clock radio, Venture Everest outdoor 7x7 cabin tent, Panasonic micro-cassette recorder, Hamilton Beach food processor.

3rd place: Choice of Royal desktop calculator, Regal cookware set, Hoover Quik-Broom vacuum, Oster 10-speed blender.

4th place: Choice of 50-piece stainless-steel silverware, Salton drink mixer, Pegasus garment bag, Turner propane torch kit.

Plus: Ten pen & pencil sets as consolation prizes.

If your suggestion is implemented by Convair, you may also receive a minimum of \$25.00 or 10% of first year net savings, whichever is greater, up to a maximum of \$10,000!

Professional Development Courses Offered

The First-Line Supervisor Program Course 6 "Challenge of A New Employee", is being offered on Tuesday or Wednesday from 4:30 to 6:30 p.m. in bldg 1, 2nd floor Program Development conference room. The instructors of the courses are Jack Farnan (Tuesdays) and Julian Jager (Wednesdays). Course fees are \$10 for NMA members and \$14 for nonmembers. Register with Helen Medeiros at KM 3436.

New Tooling Concept Proofed

Experimental Machine Shop (Dept. 031) recently completed machining tasks on two Atlas structural 10-ft. diameter rings using new turning fixtures.

This method uses replaceable soft jaws on a basic fixture making it adaptable to several different rings.

The fixtures were built by Tool Manufacturing (Dept. 450) and were the culmination of a combined effort by Experimental, Tooling, and Manufacturing Technology departments.

This same concept will now be used to machine large stainless steel rings for Atlas/Centaur at a cost saving and with higher quality.

CRA Health Fitness Center Classes Offered

Shape Up — Offering a total approach to individual fitness needs, this seven-week exercise program begins Monday, June 7, from 4:30 to 5:30 p.m. Cost is \$40 for nonmembers and free for members.

Back in Action — A nonvigorous exercise program consisting of relaxation, stretching, and strengthening techniques for back care. Dr. Lawrence Adams, chiropractor, leads the class, which begins Tuesday, June 8, and will be held Tuesdays and Thursdays from 4:30 to 5:30 p.m. Cost is \$55 for members, \$66 for nonmembers.

Nutri-Fun — Learn the joys of nutritious foods and better eating habits as presented by Linda Gross, founder of Nutri-Fun. Food preparation will be included in this class, to be held Mondays beginning June 7. Cost is \$40 for members, \$48 for nonmembers.

All three classes will be held at the CRA Health Fitness Center. For more information on classes and the lecture, call KM 3567.

NMACC Sponsors River Rafting Adventure

If you are looking for a special summertime weekend, don't miss this! Join the group and travel down a 20-mile stretch of the American River (east of

Sacramento) through white water on a river raft. The dates are July 30 - August 1 and include transportation to and from the river location; one meal Friday, three meals Saturday, two meals Sunday, plus refreshments; at a cost of \$200 per person. A \$50 per person deposit is required before the June 25 deadline. Call and make reservations with Bill at KM 2855.

Lunch Hour Lecture Series Begins June 15

Finding it hard to stick to your diet and exercise program? Join us June 15-18 from 12:10 to 1:00 p.m. when experts in this field will discuss diet and exercise to promote optimal health, motivation and longevity. The series is free to all KM employees and will be held in bldg. 5, conference room A.

CRA Roadrunners Go Camping

Join the Convair Roadrunners travel trailer club on their next camping trip to Deerhorn Lodge, June 11, 12, and 13th. Pack up your RV for a different weekend of fun. For more information, call Emmett White at KM 1506 or Helen Lowe at KM 6715.

Inspect Family Fun Day Grand Prize

The 1982 Ford Escort sedan, grand prize in this year's Family Fun Day picnic, will be on display at the Kearny Mesa Plant until Thursday, when it moves back to LF for a five-day visit.

NMA Scholarships to Be Awarded June 28

The NMA Convair Chapter's annual scholarship awards night and installation of officers dinner meeting convenes on Monday, June 28, in the Champagne Ballroom of the Sheraton Harbor Island Hotel. The social hour will begin at 5:00 p.m. with dinner at 6:00 p.m. All General Dynamics employees are invited. Tickets are \$5 for members and \$9 for nonmembers, available from chapter boosters.

Certified Manager Course Starts June 23

"Administrative Skills for the Manager," a seminar course based on discussion, reading, and case study, will begin another series of three courses each at KM and LF. The course, sponsored by NMA Convair Chapter, will cover planning, decision making, staffing, and control. It will run for eight Wednesdays beginning June 23 from 4:30 to 6:30 p.m. in the CIMS II conference room (building 1, fifth floor, column D-4, north wall). The cost is \$10 for NMA members (refundable on completion) and \$14 for nonmembers. Enrollment is limited to 20 people. Facilitator of the course is Judy Braun. Register with her at KM 3612.

A COMMUNICATIONS TIP

For your convenience, three-digit speed numbers, replacing the 1-area code-xxx-xxxx numbers, have been assigned to heavily called locations. Refer to pages four and five of your inplant directory for dialing instructions and a list of speed numbers. Call 1211 if you have frequently called numbers to add to the speed calling list.

Employment

For the week ending May 28, employment was 8,710.

CONVAIR Weekly Log

June 14, 1982

Published by the Convair Division of General Dynamics

CONVAIR QUALITY: ATLAS—25 YEARS AND STILL GOING STRONG



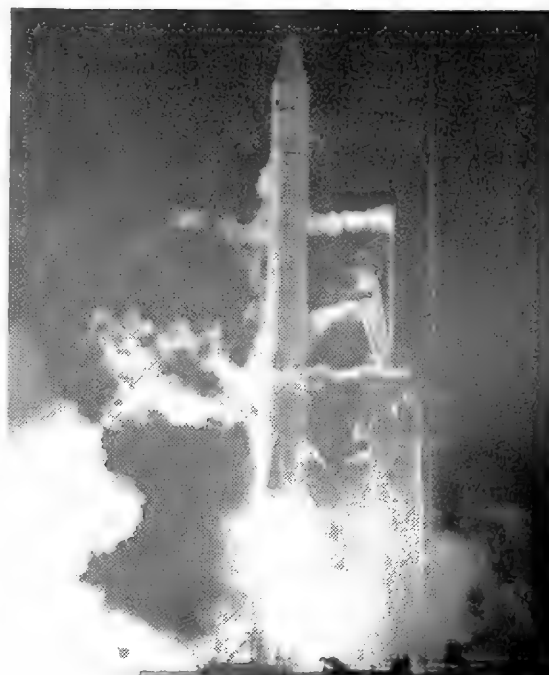
ATLAS 4A LAUNCHED FROM ETR 11 JUNE 1957

Last Friday, June 11, marked the 25th anniversary of the first Atlas flight. On that date in 1957, Atlas Missile 4A roared skyward when Convair's Johnnie Harrison pressed the engine start button at 2:37 in the afternoon EDT. Liftoff was from Complex 14, at the Air Force Missile Test Center (now known as the Eastern Test Range), Cape Canaveral.

Missile 4A provided proof that the basic pioneering concepts of the total Atlas missile system design worked – concepts such as inflatable monocoque tank structures and main engine gimbaling to provide stability and control. It demonstrated that a new-technology missile and its ground support and launch equipment could be integrated and brought to a focus at T-0. Missile 4A created reality out of what appeared before 1957 to be a science fiction dream.

Growing out of that dream, the Atlas evolved into the free world's first ICBM weapon system and the highly successful space booster we know today. The long string of accomplishments by Atlas is filled with names that have become familiar not only to the whole aerospace industry but to the man in the street as well. Among them are Pioneer, Ranger, Mercury, Mariner, Orbiting Geophysical Laboratory, Gemini Target, Orbiting Astronomical Observatory, Surveyor, Lunar Orbiter, Applications Technology Satellite, PRIME, INTELSAT IV, INTELSAT IVA, and COMSTAR.

More recent programs include High-Energy Astrophysical Observatory, TIROS/NOAA Weather Satel-



ATLAS/CENTAUR LAUNCHED 4 MARCH 1982

lite, Global Positioning Satellite, SEASAT, Fleet Satellite Communications, Pioneer-Venus, and INTELSAT V.

On March 4 of this year, the 467th Atlas to be launched performed flawlessly as another INTELSAT V communication satellite was placed in orbit by an Atlas/Centaur launch vehicle.

We can be proud as we look at the record of the last two and one-half decades, but now as we enter the 26th year of Atlas flight history, an even greater challenge awaits us. With planned launches extending out to the 1990s, we look forward to such new programs as the Defense Meteorological Satellite, GEOSAT, classified satellites, and INTELSAT V-A.

New, modernized versions of Atlas, in the form of Atlas G and H, are in production with further versions in development, including a larger-diameter Atlas II that, combined with the Centaur, satisfies the growth trends in the expanding communications satellite market.

These programs, as well as on-going older programs, demand 100% success. In today's environment, there is no room for a miss. Achieving this goal still requires the same outstanding dedication, technical excellence, and quality workmanship that have been the trademark of the Atlas success story for the last 25 years.

Our thanks to all of you who have contributed to making this 25th anniversary possible and who have helped provide the new opportunities for Atlas.

These People Retire in June

Best wishes go to the following June retirees:

| Name | Job Classification | Years of Service |
|-----------------------|---------------------------------|------------------|
| Anne E. Allen | Repro Typist | 22½ |
| Charles Bierman, Jr. | Sr. Project Engineer | 26 |
| Scott C. Brogan | Riveter | 29½ |
| Charles L. Cline | Security Guard | 11 |
| Clinton E. George | Supervisor Quality Assurance | 32½ |
| Lloyd E. Curtis | Sr. Engineer | 33 |
| Jan DeGroot | Plaster Pattern Maker | 25½ |
| Dallas J. Disler | Lathe Machinist | 6½ |
| Mabel B. Glaser | Manufacturing Dispatcher | 32 |
| Clyde L. Good | Mfg. Operations Supervisor | 41 |
| William F. Herndon | Sr. Engineer | 27 |
| John R. Hunter | Engineering Specialist | 25 |
| Eleanor V. Liegl | Planning Control Recorder | 3 |
| Edward V. Mansfield | Sr. Engineer | 28 |
| Brandon J. Neal | Director/Engineering Bus. Mgmt. | 24 |
| Gerald E. Nuss | Group Supervisor | 38 |
| Ray E. Schmieder | Mfg. Operations Supervisor | 41 |
| Ernest Stelmar | Sr. Estimating Specialist | 26 |
| Charles R. Stith | Technical Buyer | 23 |
| Ernest L. Sumrall | Sr. Tool & Operations Planner | 3 |
| Clarence L. VanDeusen | Chief Management Planning | 23 |
| Frank Walters | Sr. Estimator | 28 |
| Ruby Williams | Mockup Mechanic | 40 |
| John W. Wilson | Mfg. Operations Supervisor | 27 |

Professional Development Course Offered

The First-Line Supervisor Program Course 6 "Challenge of a New Employee" is being offered on Wednesdays, beginning June 16 from 4:30 - 6:30 p.m., in building 1, second floor, Program Development conference room. The instructor is Julian Jager. Course fees are \$10 for NMA members (refunded upon successful completion) and \$14 for nonmembers. Register with Lyndon Shaftoe at KM 6494.

Safety Glasses Saved Employee's Eyesight

Michael J. Spence, assigned to Vandenberg AFB Space Launch Complex-3 West as a Base Equipment Mechanic Sr., recently saved his eyesight.

While in the process of desoldering a length of copper pipe, a gas bubble formed within the solder joint. The resulting burst spewed molten solder into Mike's face. He received a few minor burns but no serious injury.

As the photograph shows, his glasses were coated with hot solder. Without them, there is no doubt he would have suffered serious injury to his left eye or possibly the loss of it.

Nutri-Fun Class Rescheduled

Learn the joys of cooking nutritious foods and better eating habits as presented by Linda Gross, founder of Nutri-Fun. Food preparation will be included in the class, to be held two Mondays, June 21 and 28, at 4:45 to 6:45 p.m. at the Health Fitness Center. Cost is \$20 for members and \$24 for nonmembers. For more information, call KM 3567.

'Marks Standard Handbook' Copies Available

Last opportunity to purchase "Marks Standard Handbook for Mechanical Engineers, Eighth Edition." Total price \$49.18. Regular price \$61.48. Interested parties contact Jane Shinkle, Research Library, at KM 1343. There are only seven copies available at this price.

Management Scheduling & Control System Outlined

How does a project miss its scheduled completion date? One day at a time! A major calamity seldom causes a disastrous schedule slippage in a project. It is the imperceptible day-by-day slippage that is hard to recognize, hard to prevent, and harder to make up. But not all one-day slips are equally adverse. How can the project manager determine what slips are crucial? There is no substitute for the critical-path schedule or activity network.

Western Data Center provides a computer program called the Management Scheduling and Control System (MSCS) that provides an activity network and automatically computes the critical-path of the project. It can also compare the actual progress of the project with the original schedule so that those one-day slips can be analyzed and resolved before they add up to a late project. MSCS can also interface with the Cost Planning and Evaluation System (COPES) computer program, which provides cost data for the entire project. Anyone interested in detailed information concerning either the MSCS or COPES program, contact Systems Analysis and Simulation Department (KM 6494).

Handicapped Self-Identification Invited By EEO

As a government contractor, Convair Division abides by Section 503 of the Rehabilitation Act of 1973 and Section 403 of Vietnam Era Veterans Readjustment Assistance Act of 1974 for the employment and advancement of qualified handicapped individuals. The implementing regulations under these acts provide a yearly opportunity for self-identification. All employees who consider themselves handicapped within the terms of these acts are invited to identify themselves by contacting the Equal Employment Opportunity (EEO) office at KM 2255 or LF 8919. Forms for voluntary and confidential identification will be sent to those who elect to identify themselves.

Patents Issued to Convair Inventors

Two patents have been recently issued to Convair inventors. Richard F. O'Neill (Dept. 696-0) received Patent No. 4,324,375 on an interchangeable cooling system for use with spacecraft. Patent No. 4,326,902 was granted to Gerald D. Peddie (Dept. 473-0) for a method of ultrasonically welding composite structures.

Picnic Box Lunch Tickets Go On Sale

Kentucky Fried Chicken box lunches will be available at the Convair Family Fun Day picnic in Missile Park, on Sunday, July 18, but tickets must be purchased in advance. No lunch tickets or lunches will be sold at the picnic. The box lunches are \$2.55 each. Tickets are on sale at Employee Benefits, the CRA clubhouse, and from any NMA Convair Chapter representative. Once again, admission to the picnic is free, and you may bring your own food.

The 1982 Ford Escort sedan, grand prize of the Fun Day Special Drawing, will be on display at Lindbergh Field Monday through Wednesday, and at Plant 19 Thursday and Friday.

Employment

For the week ending June 4, employment was 8,741.

CONVAIR Weekly Log

June 21, 1982

Published by the Convair Division of General Dynamics

**ROY GJERTSON**

Proposal Coordinator
Dept. 102-2, Art & Editorial
Kearny Mesa Plant
13 years at Convair

"Quality is important to me! You can't have quality without professionalism. I have always believed that when you create or manufacture something, if you make it to a standard where you would use it yourself, that's quality."

Nothing Short of Right Is Right!

Great Talent Search Questions Answered

People are asking a number of questions concerning the Great Talent Search. Dennis Bartlett, G.T.S. Program Administrator answers.



Q. Does my engineering/scientist referral have to be hired into Dept. 600 (Research and Engineering) for me to be eligible for the merchandise award?

A. No. Your candidate need only be hired into one of the engineering or scientist classifications listed in the G.T.S. brochure and remain on the payroll 90 days for you to be eligible for an award.

Q. Why haven't I heard from the Great Talent Search program after I received my letter acknowledging receipt of my referral?

A. It's likely your candidate has not responded yet with a resume or application. Check with the G.T.S. of-

fice at KM 6331 if you have a question on the status of your candidate. If your candidate hasn't responded, continue to urge him or her to send in a resume. You still have time.

Q. Is an employee who refers an engineer hired as an associate engineer eligible for a merchandise award?

A. No. The Great Talent Search program was created to recruit experienced engineering talent. Our ongoing college recruitment program continues to provide us with qualified new college hires.

The Great Talent Search continues to be a rewarding program both for Convair employees and Convair. The number of employees eligible for the merchandise awards is growing daily.

A Reminder: Point Loma Credit Union Hours

All branch offices of the Point Loma Federal Credit Union are open Monday through Friday from 8:30 a.m. to 3:30 p.m. and on Saturday from 9:00 a.m. to 1:00 p.m. The Sports Arena drive-through window is open every weekday from 8:30 a.m. to 4:30 p.m. and on Saturday from 9:00 a.m. to 1:00 p.m. Employees in need of financial assistance who are unable to take advantage of regular credit union hours should call 226-1600. Appointments regarding loans will be made during weekdays until 4:30 p.m.



George Roos, director, Integrated Logistic Support, presents the 1981 cost reduction award to Chuck Elliott, chief, ILS, and Kathy Marino, Logistic representative. This award recognizes Space Program Logistic Support and Logistic Depot-Offsite Support for their efforts in finding "a better way" in 1981.

Cost Reduction Program Update

The Cost Reduction Program at Convair is organized to benefit our customers and our employees as well as the

FLIP

division. In the first quarter of 1982, the program achieved savings in excess of \$31.8 million, of which \$0.908 million resulted from value control, \$8.350 million from procurement cost improvement, \$22.310 million from productivity improvement, \$0.242 million from resource economics, and \$0.026 million from management improvements. So far in 1982, the Employee Suggestion Program has accounted for \$386,745 in savings against a yearly goal of \$987,400. Convair placed third behind Ft. Worth and Stromberg-Carlson in the corporate employee suggestion ranking.

We need you to bolster Convair's ES program savings, advance in the corporate ranking, enhance our profitability, and earn 10% of the savings for yourself. Turn in those ideas now! Remember, if you submit your ideas between June 7 and July 23, you also become eligible for an "Appreciation Drawing" and a chance to win one of fourteen outstanding prizes. Call KM 2629 for more details.



Dan Da Pra, vice president, Research and Engineering, presents the first quarter 1982 cost reduction achievement trophy to Bill Phillipp, director, Test and Evaluation. This award recognizes the Test and Evaluation department for its outstanding efforts and top performance in achieving the largest cost savings within Research and Engineering for the first quarter of 1982.

June 28 Is NMACC Scholarship Night

Fifteen Convair daughters and sons will each receive a \$1,000 scholarship at the National Management Association Convair Chapter's scholarship night on Monday, June 28, at the Sheraton Harbor Hotel. Chuck Bohle, controller and head of Finance, is the executive host for this meeting, which will also feature Jack Farrell, personality development and self-improvement specialist. The price of tickets is \$5 for members and \$9 for nonmembers. Your ticket purchases support the scholarship fund, and you might win some drawing prizes. Tickets are available now from NMACC boosters.

CRA and Second Sole Sponsor Fun Runs

Beginning Tuesday, June 29, CRA Health-Fitness Center and Second Sole shoe stores will be offering a year-long series of fun runs the last Tuesday of each

month. These runs will feature refreshments, rewards, and time predictions. Call the CRA Health-Fitness Center at KM 3567 to register and for further information on time and place.

Savings and Stock Plan Values for April

| | 1980 | 1981 | 1982 |
|-----------------------|------------|-----------|-----------|
| Salaried | | | |
| Government Bonds | \$ 2.4067 | \$ 2.5671 | \$ 2.9173 |
| Diversified Portfolio | 1.6709 | 2.1570 | 2.0016 |
| Fixed Income | 1.0799 | 1.1954 | 1.3292 |
| Hourly | | | |
| Government Bonds | 2.4047 | 2.5647 | 2.9171 |
| Diversified Portfolio | 1.7044 | 2.2049 | 2.0431 |
| GD Stock | \$33.8750* | \$34.0000 | \$28.7500 |

*Reflects 2-for-1 stock split of November 1980.

Grand Prize Ford Escort Returns to Kearny Mesa

The 1982 Ford Escort sedan, grand prize in this year's Family Fun Day picnic, will be on display at KM locations all this week. The \$1 donation tickets for the drawing are available at the car from 3:00 to 4:30 p.m. You may pick up as many tickets as you wish at the car or from other ticket outlets listed on bulletin boards. Tickets for Kentucky Fried Chicken box lunches can also be purchased for \$2.55 at Employee Benefits (KM), CRA salesbooths, NMACC representatives, and from Robin at Plant 19 (LF 8010) or Sue at Lindbergh Field (LF 8153). Make plans now to attend the picnic and get your tickets early.

NMACC Offers Money Management Seminar at KM

All Convair employees and spouses are invited to attend the "Successful Money Management" seminar sponsored by the National Management Association Convair Chapter. The course will be held on three consecutive Tuesdays, beginning June 29, from 4:30 p.m. to 6:30 p.m. in the Space conference room, building 26, Kearny Mesa. The seminar discussion leader will be Joseph Apolito, president and chief executive officer of Charter Resources, Inc. Topics will include inflation, the stock market, mutual funds, and real estate. Cost for the seminar is \$2 per person (refundable to NMACC members upon completion). Attendance is limited to 35. Sign up with Helen Medeiros at KM 6436.

Noon Movie: 'The New Willamette'

Once a polluted river, the Willamette in Oregon was cleaned up through the cooperative efforts of citizens, industry, and government. This film, produced by the U.S. Army Corps of Engineers, is a testimony to how a dying river can be restored.

At Kearny Mesa, the showing will be at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m. A volunteer projectionist is needed to resume the 11:00 a.m. showing at KM. Call Bob Gobrecht at KM 1525 if you are interested.

Employment

For the week ending June 11, employment was 8,772.

CONVAIR Weekly Log

June 28, 1982

Published by the Convair Division of General Dynamics

**CATHY PERDUE**

Group Leader
Dept. 358-0, Shipping and Receiving Inspection
Kearny Mesa Plant
3 years at Convair

"Quality means people working together with a common goal in mind. It is everyone doing the best job that they can."

"'Nothing Short of Right Is Right' is making sure that you understand the job before you proceed with it so that you do it right the first time."

Nothing Short of Right Is Right!

Bus Stops Changed at Lindbergh Field

Due to the construction at Lindbergh Field, the bus stop at building 13 has been eliminated. Active bus stops are:

- East side of building 33
- Northwest corner, building 3
- Southwest corner, building 1
- Southwest corner, building 4
- Northwest corner, building 4

No changes in time schedules have been made. If you have questions, please contact Klaus Flitner, LF 8340.

CPR Classes Come to Lindbergh Field

Classes are now forming for cardiopulmonary resuscitation instruction at Plant 19. Those interested should contact Robin at LF 8010. Classes will be held immediately after first shift and immediately before second shift.

Utility Bills: You Can Make a Difference

Our total utility bill for May was \$1,116,734. Electricity cost \$951,550, natural gas \$131,681, and water \$33,503. During May we used (and, in some cases, wasted) enough electricity to serve over 60,500 homes. Do you treat your work place like your home? You can make a

difference here as well as at home. Please turn off lights and equipment when they are not needed.

A Communications Tip

There is no charge for toll-free 800 calls or long-distance information (area code-555-1212). These calls can be dialed through the WATSBOX system. See page four of your current inplant telephone directory on how to dial.



Far left: Bill Dietz, director, Cruise Missiles Program; Bill Phillipp, director, Test & Evaluation. Front row: Chuck McKnight, George Copeland, Bill McPike, Bert Broadbent, Dan Carroll, Bruce Gano. Middle row: Don Nirschl, Don Page, Oran Moore, Dan Kuczon, Tony Kalfayan, Ralph King, Chuck Brantley. Back row: Jim Howard, John Routson, Dennis Uhlken, Dan Clark, Bob Spencer. Not pictured: Dave Cumming, Tom Buckley, Vic Sundfor, John Anselmo, Paul Thornton, Mike Simundich, Mike Horinek, Al Ramirez, Carlos Mendoza, Toby Jaramillo.

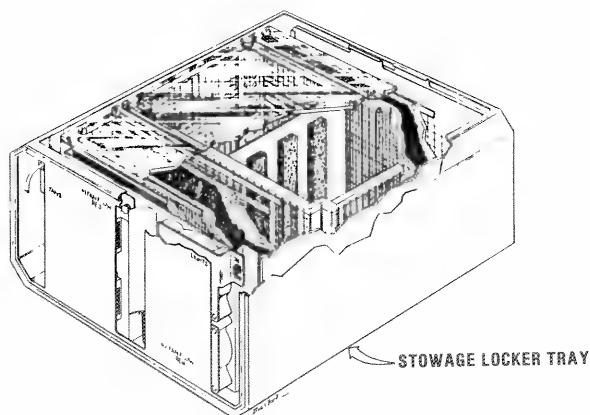
Awards Go to Test Personnel for BGM-109 Vehicle Qualification

Bill Dietz, director, Cruise Missiles Program, and Bill Phillipp, director, Test & Evaluation, recently presented awards of appreciation from Rear Adm. W.M. Locke, director, Joint Cruise Missiles Project Office, to personnel associated with the BGM-109 vehicle qualification test programs. Employees receiving plaques represented the BGM-109 Program Office, Test & Evaluation, Ground Test Planning, Engineering Test Labs, and Engineering Test Support.

In a letter to Bill Dietz, Adm. Locke said:

"I wish to convey my sincere appreciation for a job well done in supporting the completion of the BGM-109B and BGM-109C AUR/missile qualification test programs ahead of the 1 December 1981 schedule. The missile electromagnetic and environmental qualification programs were long, complex and required an extraordinary degree of cooperation and skill among government agencies and various associate contractors. Due to the dedication and 'get the job done' attitude of your personnel, these extremely important tests were fully completed in time to support critical DSARC milestones. It is a credit to General Dynamics that the missiles have passed the test environments in such an excellent manner. . . .

. . . Please convey my appreciation for a job well done to all people involved in this test program."



Winner of Student Science Contest to Visit Convair

Daniel Weber, one of ten winners in the NASA/NSTA-sponsored nationwide competition among high school science students, will visit Convair this week. His winning entry is an experiment designed to investigate the effects of weightlessness on arthritis in laboratory rats. Convair and Pfizer, Inc. of Groton, Connecticut, are cosponsors of Weber. Convair's responsibility will be to make working drawings of his sketches for the animal enclosure module (see illustration above) and fabricate the hardware that will eventually be carried into space on the seventh Shuttle flight. Tom Kessler, Advanced Space Programs, is the project engineer for the hardware development.

Weber is a high school senior from New York City. During his visit to Convair, he will tour facilities and discuss plans for the experiment. On July 4, he will fly to Edwards Air Force Base with Dr. Buchanan and other members of his staff for the 9:00 a.m. landing of the fourth Shuttle flight. Then he will go to NASA/Ames Research Center for summer research studies.

Health-Fitness Center Offers Free Demo Classes

Yoga. A free yoga demonstration will be held Tuesday, June 29, from 4:30 to 5:30 p.m. at the CRA clubhouse. Regular classes will be held on Tuesdays and Thursdays, July 13 through Aug. 12, from 4:30 to 5:30 p.m. The cost is \$32 for HFC members and \$40 for nonmembers. Improve your strength, flexibility, and general health with yoga.

Slimmergize. This creative and dynamic floor exercise class with music promotes body tone and flexibility. Classes will be on Mondays and Wednesdays, July 12 through Aug. 11, from 4:30 to 5:30 p.m. A free demonstration will be held Wednesday, July 7, from 4:30 to 5:30 p.m. The cost for regular classes is \$23 for HFC members and \$30 for nonmembers.

For additional information on either class, please contact the CRA Health-Fitness Center at KM 3567.

Last Chance to See Picnic Prize Car at LF

The 1982 Ford Escort sedan, grand prize in the special drawing at Family Fun Day on July 19, will be on

display for the last time at Lindbergh Field this week. The car will go to Plant 19 the middle of next week and to Kearny Mesa the following week. Tickets are available at the car from 6:30 to 7:30 a.m. and 3:00 to 4:30 p.m. If you do not plan to bring your own food to the picnic, you must purchase your lunch tickets in advance. No lunches or lunch tickets will be sold on the day of the picnic. Picnic box lunch tickets are available for \$2.55 at CRA salesbooths, Employee Benefits, Robin at Plant 19 (LF 8010), Sue at LF (8153), and from NMACC boosters.



Left to right: Norm Pearl, manager, Tool Engineering & Tool Manufacturing; Bill Martin, chief, Tool Manufacturing; Jim Cortez, general supervisor, Jigs & Fixtures; J.R. Daniels; R. Robles, Jr.; R.J. Sourk; F. DeLaCruz; T.R. Hinds; Joe Williamson, consulting instructor; K.A. Hardin; G.J. Kubasienicz; A. Cortez; J.Z. Wertz. Foreground: tools produced during students' training.

First Jigs & Fixtures Class Graduates

Joe Williamson, consulting instructor, recently graduated the first federally-funded Mexican-American Advisory Council (MAAC) Jigs & Fixtures class (photo above) after six weeks of intensive training in the fundamentals of tool manufacturing. Fifty per cent of their training was classroom time and fifty per cent hands-on experience. Graduates of the class are now being absorbed into the Jigs & Fixtures work force. The success of this program has set a standard for additional classes.

Editor's Note

The *Weekly Log* provides Convair employees with information about people, products, and events. Because of the volume of articles submitted each week, we ask that your article be *well written, concise, and typed*. Deadline for articles is noon the Wednesday before publication. Any questions regarding submission of articles should be directed to: Bluesheet coordinator, KM 2255, MZ 17-1331.

Employment

For the week ending June 18, employment was 8,827.

CONVAIR Weekly Log

July 6, 1982

Published by the Convair Division of General Dynamics

**KIP PEPIN**

Numerical Control Machinist
Dept. 0-15
Plant 19
3½ years at Convair

"Quality is adding another dimension to your work - like pride and self-esteem."

"'Nothing Short of Right Is Right' means that in today's world and in our everyday lives, 'almost' is not enough. Everything we attempt should be done with the knowledge that it is right the first time."

Nothing Short of Right Is Right!



Great Talent Search Pays Off. Bill Herndon (center), a facilities engineer who joined Convair in March as a result of our Great Talent Search, looks on as Dennis Bartlett (left) of Professional Staffing presents an award to Dick Ponce (right) for referring Bill to Convair. Congratulations to Dick! He is the first person to receive the Great Talent Search merchandise award. Keep searching. We're still looking for great talent.

REMINDER:**Only 11 Days Until Our Annual Picnic!****Friday Hours Extended at Point Loma Credit Union**

Effective July 2, the Sports Arena office of Point Loma Credit Union will remain open later on Fridays. The lobby and the drive-up window will be open from 8:30 a.m. to 5:00 p.m. All other hours remain unchanged.

Senior Citizens Committee. The Point Loma Federal Credit Union reports that George Nicoloff, a recent Convair retiree, has been appointed to the Senior Citizens committee. In this capacity, George is responsible for generating programs to meet the interests and needs of senior citizen members of the credit union.

**Augie Daddi Named NMACC Silver Knight**

The National Management Association Convair Chapter presented the Silver Knight of Management Award to A.B. (Augie) Daddi on June 28 at the annual scholarship awards night. Daddi is director of Industrial Relations and the executive advisor to the Convair Chapter. The award, the highest a local chapter of the association can offer, was made by George Heller, chapter president (see photo above). Heller cited Daddi's service to the chapter and his 24 years of association membership.

NMACC Sponsors American River Rafting Adventure

If you are looking for a special summertime weekend, don't miss the NMACC-sponsored trip to the American River east of Sacramento. Join the group and travel by raft down a 20-mile stretch of the river through white water. The dates are July 30 through Aug. 1. The cost of \$200 per person includes transportation to and from the river, one meal Friday, three meals Saturday, two meals Sunday, and refreshments. Call and make your reservations with Bill Kramer at KM 2855. A \$50 deposit per person is required before the July 9 deadline.

Employment

For the week ending June 25, employment was 8,853.

CONVAIR Weekly Log

July 12, 1982

Published by the Convair Division of General Dynamics

**JEAN MILLER**

Custodian
Dept. 253
Kearny Mesa Plant
3 months at Convair

"Quality means being able to look at the work you have done and to know that you have done it right. Simply, it means a good result. When something is quality, everything about it is good, and you know you have done a good job."

"'Nothing Short of Right Is Right' means that when you do something, it can't be only 90 or 99 per cent right. It has to be totally right."

Nothing Short of Right Is Right!



Employee Suggestion Award. Jane Pfaff, Research and Engineering, was recently awarded \$952 for her employee suggestion to shut down flow benches during off shifts, resulting in a \$7,615 energy cost savings to Convair. Presenting the award in the photo above are Marty Winkler, director, Avionics, and Dale Davidson, supervisor, Avionics Development Labs.

Convair Employees Granted Patent

Theodore G. Stern, Advanced Energy Systems, and David M. Peterson, Avionics Support, have recently been granted U.S. Patent 4,328,389. This patent covers a dual band gap photovoltaic system in which solar energy is divided between two photocells, each of which is sensitive to a different energy band.

Savings and Stock Plan Values for May

| | 1980 | 1981 | 1982 |
|-----------------------|------------|-----------|-----------|
| Salaried | | | |
| Government Bonds | \$ 2.4587 | \$ 2.6052 | \$ 2.9671 |
| Diversified Portfolio | 1.7581 | 2.1840 | 1.9268 |
| Fixed Income | 1.0889 | 1.2058 | 1.3413 |
| Hourly | | | |
| Government Bonds | 2.4564 | 2.6026 | 2.9643 |
| Diversified Portfolio | 1.7932 | 2.2316 | 1.9665 |
| GD Stock | \$31.6250* | \$32.0000 | \$25.7500 |

*Reflects 2-for-1 stock split of November 1980.



EXCEL
PRIDE MAKES THE DIFFERENCE

Two Research and Engineering employees received EXCEL awards in June for exceptional performance in response to a challenging development schedule on the MX Composite Deployment Module Program. Shown left to right at the award presentation: Bruno Bracka, director, Structures & Design; Lee Siden, MXCDM deputy program manager, Advanced Design; and Jack Prunty, senior project engineer on Bracka's staff.

Engineer Represents Convair at SWE Conference

Kathleen L. Green, engineer, Large Vehicle Programs, represented Convair Division at the Society of Women Engineers (SWE) conference in Dearborn, Michigan, on June 17, 18, and 19. The General Dynamics delegation to the conference included representatives from the corporate office, Ft. Worth, and Land Systems. Green is a graduate of the University of Washington in aeronautical engineering. She has been with Convair since July 1980.

FLIP

NMA/CRA ANNUAL PICNIC

CONVAIR FAMILY FUN-DAY

AT
MISSILE PARK, KEARNY MESA

Sunday, July 18, 1982



Picnic Is This Sunday – Last Call for Tickets

You don't need a ticket to get into Missile Park this Sunday. Convair Family Fun Day, our annual NMACC-CRA picnic, is free to all Convair employees, families, and friends. But you do need prepurchased tickets for the chicken dinner box lunches served midday at the picnic. If you do not intend to bring your own picnic basket, get your \$2.55 lunch tickets now from CRA salesbooths at KM and LF, Employee Benefits, and NMACC boosters.

Remember to bring your picnic tab card (the one issued to you this week) to the park Sunday. It is your ticket for the employee drawing, and it could be worth a big cash prize. It also will identify your family members so they may participate in the children's and teenagers' drawings, also featuring cash prizes.

Come prepared to have a wonderful day enjoying the games, contests, rides, displays, exhibits, demonstrations, and concerts. There will be music by the Mesa College band, a western band, and a bluegrass combo. Dancing by a clogger group and Rock A'Robics experts will also be featured.

The gates to Missile Park will open at 10:00 a.m. on Sunday. Enjoy!

Health-Fitness Center Classes Offered

Slimmercize. Enjoy the feeling of getting slimmer by participating in floor exercise done to music. Classes meet from 4:30 to 5:30 p.m. on Mondays and Wednesdays for five weeks beginning July 12. The cost is \$23 to HFC members and \$30 to nonmembers.

Yoga. Classes to promote strength, flexibility, general health, and well being will be held from 4:30 to 5:30 p.m. on Tuesdays and Thursdays beginning July 13 for five weeks. The cost is \$32 to HFC members and \$40 to nonmembers.

Positive Communication for Couples. Don Levitt, PhD, clinical psychologist, will offer a class designed to help couples develop positive communication skills. Classes meet Mondays, July 12, 19, and 26, from 7:00 to 9:00 p.m. The cost is \$30 (single) and \$40 (couple) to HFC members, and \$36 (single) and \$48 (couple) to nonmembers.

Project Recharge. Use your noon hour to recharge. Learn and practice three stress reduction techniques in three weeks. The class meets on Monday, Wednesday, and Friday from 12:10 to 12:40 p.m. beginning July 25 in building 5, conference room A. The cost is \$15.

Becoming Your Best. Free to employees and families of General Dynamics. Learn to develop skills for personal and professional goals generally, and fitness and weight loss goals specifically. The three-part series will be held on Wednesdays, July 21, 28, and August 4, from 4:45 to 5:45 p.m.

All classes except "Project Recharge" will be held at the CRA Health-Fitness Center.

SAFETY

SPOTLIGHT



"I'd say our 'Develop Right Work Habits' program is now 90% successful."

Good safety habits help prevent accidents — help save lives.
Right habits make jobs easier — provide lifetime protection!

SAFETY — MAKE IT A HABIT!

Noon Movie: 'Saudi Arabia Today'

Whether your interest is applied science, geopolitics, economics, or the arts, you are sure to enjoy this Exxon-produced film about Saudi Arabia. Through the film, you will meet the Saudi people and visit the mountains and deserts, the farms and construction sites, and the villages and suburbs of Saudi Arabia.

At Kearny Mesa, showings will be at 11:00 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11:00 a.m., noon, and 7:30 p.m.

Employment

For the week ending July 2, employment was 8,860.

CONVAIR Weekly Log

July 26, 1982

Published by the Convair Division of General Dynamics



Bill Rector, vice president, Space Programs, congratulates Chuck Wilson, program director, Shuttle/Centaur, on our Shuttle/Centaur win.



Centaur configuration under development as the Shuttle upper stage.

Shuttle/Centaur Funding Bill Signed by President Reagan

On July 19, Convair received word that President Reagan had signed the FY 82 supplemental appropriations bill directing NASA's use of the Shuttle/Centaur for two planetary missions in 1986. This culminates months of persistent effort by the General Dynamics team at Convair and the Washington office to convince the Congress and the administration that Centaur should be part of the Space Transportation System.

The current program plan calls for two Shuttle/Centaur launches in the May-June 1986 time frame: the Galileo mission to explore Jupiter's atmosphere, and the International Solar Polar mission to increase our understanding of the Sun and its effect on the Earth's climate. For future applications, the wide-body Centaur can provide a payload capability of approximately 14,000 pounds to geosynchronous orbit. With this performance capability, Centaur will be an important contributor over the next decade to the Space Transportation System's role in meeting the nation's scientific, commercial, and defense needs.

Shuttle/Centaur represents a major increase in our Space programs business. The design, development, production, and flight of these two Shuttle/Centaurs, along with the Centaur Integrated Support System and the new Computer-Controlled Test and Launch Control Systems, represent \$300 million of new business for Convair. The additional use of Shuttle/Centaur to satisfy the requirements of the Department of Defense, commercial, and other NASA missions will provide additional sales for Convair and supply us with a steady business base well into the 1990s.

Tomahawk Scores Hit with Live Warhead

A significant milestone in the cruise missile program was achieved on July 18 when the first live warhead Tomahawk (T45), launched by the crew of the USS *Guitarro*, sought out and sank the ex-USS *Agerholm*, a DD-826 class destroyer. The missile hit the *Agerholm* between decks, amidships on the starboard side, at 3:15 p.m. The warhead detonated on impact, and the ship officially sank at 11:30 p.m. on the same day. This was the second consecutive successful flight in the operational evaluation (OPEVAL) program.

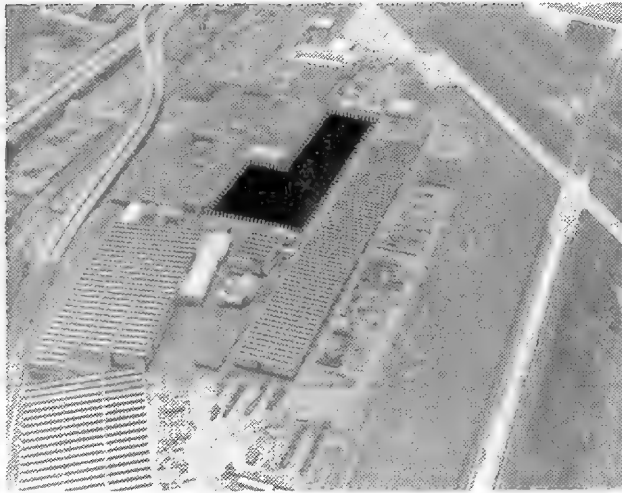
Safety Awards Recognize Employee Performance

The annual Safety Awards Picnic was held on June 27 at Missile Park to recognize the safety performance of employees in Primary Tooling and the DC/KC-10

Assembly Section E. Henry Hyman, director of Manufacturing Engineering, presented a certificate of recognition to the supervisors and employees of Primary Tooling. George Williams, director of Aircraft Assembly, made the presentation to DC/KC-10 Section E personnel.

Parking Lot Resurfacing at KM

Today contractors begin repair work on all parking areas at the Kearny Mesa plant. This work will continue throughout the week. Please assist our efforts to improve these areas by parking clear of roped-off sections when you arrive at work. Your cooperation is appreciated.



Do you recognize this scene? If you have not visited the Lindbergh Field facility recently, you are in for a big surprise when you do. Seven World War II-vintage buildings have been removed to make way for a 338,000-square-foot addition to building 1. When construction is completed and a series of relocations accomplished, building 1 will become Convair's fabrication center. Detail parts will be fabricated there and then dispersed to individual program assembly areas. Lee Mullaney, Safety Department, reports that the construction project is moving ahead on schedule, and steel is now being erected. He reminds all Convair employees to stay clear of the construction zone and to be alert for construction vehicles moving in and out of the plant.

Retiring in July

Convair's best wishes go to these July retirees.

| Name | Department/Job | Years of Service |
|--------------------|--|------------------|
| William L. Baker | 250-1 Industrial Electronic Electrician | 23 |
| Leona O. Brown | 431-0 Planning Control Recorder | 21½ |
| William C. Braley | 633-4 Engineering Specialist | 30 |
| William C. Collis | 044-0 Aircraft Assembler | 9½ |
| Morris Frankel | 235-0 Manufacturing Dispatcher | 41 |
| Clinton B. Herndon | 759-0 Group Leader | 34½ |
| Mary J. Hodge | 110-0 Secretary | 23 |
| Raymond Hornbrook | 542-3 Computer Operator | 27½ |
| Frank Jenkins | 243-0 Chief—Facilities Planning | 37½ |
| Clyde H. Jones | 451-0 Template L/O Coordinator | 39½ |
| Harry LaGant | 831-2 Stock Clerk—Raw Stores | 25 |
| Joseph H. Maloney | 250-2 Facilities Engineer | 40 |
| Jack E. Miller | 111-0 Estimating Specialist—Sr | 37 |
| James L. Minos | 116-0 Project Engineer—Sr | 26 |
| Evan M. Ogden | 696-0 Thermodynamics Engineer—Sr | 26½ |
| LeRoy W. Patterson | 431-0 Tool Operations Planner—Sr | 41 |
| Kenneth Phillips | 001-0 Heat Treater | 40½ |
| James B. Scott | 111-0 Estimator—Sr | 20½ |
| Jessie L. Street | 999-0 Secretary | 22 |
| Franklin D. Wade | 031-0 Field Test Mechanic | 40 |
| William C. Walker | 001-0 Punch Press Operator | 35 |
| Farrell Washburn | 251-0 Operations Supervisor—Plant Services | 38 |
| Harry Wieder | 979-1 Program Control Specialist | 24 |

Order Special Desk Items Before August 1

Anyone wishing to order desk diaries, Note-a-Dates, Mimindex, or other special-order desk items must do so before August 1. When these items are ordered early, they can be purchased in San Diego, thereby avoiding the costly air freight charges incurred if the items have to be ordered later from back East. For further information, call Dick Bentler at LF 8896.

Utilities: You Can Make a Difference

Our total utilities bill for June was \$1,065,161. Electricity cost \$888,634, natural gas \$143,035, and water \$33,492. With a 20% rate increase over last year, electricity continues to be the major expense. Reduce waste by turning off unnecessary lights and keeping doors and windows closed in air-conditioned areas.

Addendum to Fall Class Schedule

A new community college course is being offered at the Lindbergh Field plant:

Management & Organization for Supervisors
(Supvn 115)

Master No. 76839

Instructor: Lou Lau

Start: Wednesday, August 25



Rick Roberts has been named Manufacturing Engineering Employee of the Month for July. His successful efforts to eliminate the two-stage bond operation for all Boeing metal honeycomb structures resulted in a major cost savings. Henry Hyman (right), director of Manufacturing Engineering, presented the award to Roberts, assisted by Alinda Gian-siracusa, group engineer, Manufacturing Technology.

Reminder: Certified Manager Course Starts August 3

"Personal Skills for the Manager," sponsored by the NMACC, will begin August 3. For details, contact course facilitator Connie Gruber, KM 1989.

Movie

The noon movie is a travelogue produced by the Virginia State Travel Association. It presents scenes from the Shenandoah Valley and other historical sites of interest. At Kearny Mesa, showings will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

From the CRA

Assertiveness at Work. This is a three-session workshop on August 2, 9, and 16 from 4:30 to 5:30 p.m. in HFC room C. The cost is \$30 for members and \$36 for nonmembers.

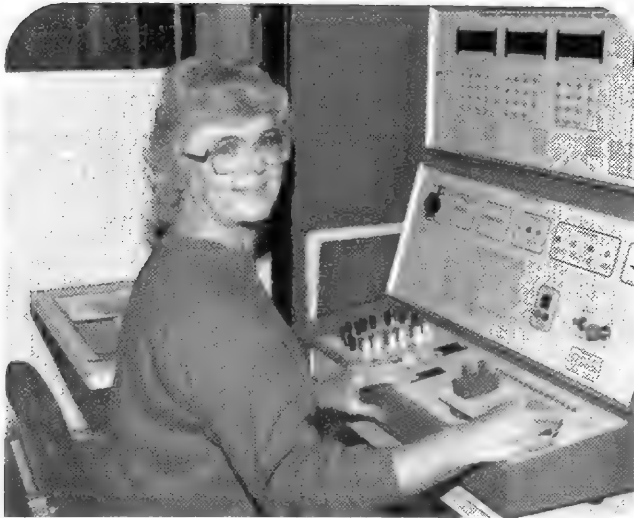
Employment

For the week ending July 16, employment was 8,907.

CONVAIR Weekly Log

August 2, 1982

Published by the Convair Division of General Dynamics

**JANE SORG**

Group Leader/Radiographic Inspector
Dept. 358-0, Receiving Inspection
Kearny Mesa Plant
26 years at Convair

"Quality means doing the best job that you can possibly do. 'Nothing Short of Right Is Right' means no shortcuts. It means taking the time to do the job right."

Nothing Short of Right Is Right!

Convair Employees Receive NASA Awards

Six Convair engineers have each received a Certificate of Recognition and a \$100 cash award for developing and reporting a technical innovation that was subsequently published as a NASA brief. The awards were announced in a letter to Dr. Buchanan from Glen E. Brace, awards office chief at the Lyndon B. Johnson Space Center in Houston. W. F. Rector III, vice president and program director of Space Systems, presented the awards and checks to the following winners.

| Recipient | Tech Brief |
|-------------------|--|
| LeRoy E. Siden | Subsystem Attachment |
| Edward J. Hujsak | Provisions for Large Space Structures |
| John G. Bodle | Large Space Tri-Beam Platform |
| Edward H. Kleidon | Construction System Concept |
| Jack G. Fisher | Space Beam Builder Straightness |
| John G. Bodle | and Curvature Control Concept |
| D. Lee Browning | Simple Interbeam Joint for Continuous Space-Fabricated Trusses |

Savings and Stock Plan Values for June

| | 1980 | 1981 | 1982 |
|-----------------------|------------|------------|-----------|
| Salaried | | | |
| Government Bonds | \$ 2.4811 | \$ 2.6307 | \$ 2.9708 |
| Diversified Portfolio | 1.8048 | 2.1383 | 1.9021 |
| Fixed Income | 1.0980 | 1.2161 | 1.3531 |
| Hourly | | | |
| Government Bonds | 2.4790 | 2.6279 | 2.9679 |
| Diversified Portfolio | 1.8413 | 2.1851 | 1.9413 |
| GD Stock | \$33.0625* | \$32.3750* | \$28.0000 |

*Reflects 2-for-1 stock split of November 1980.



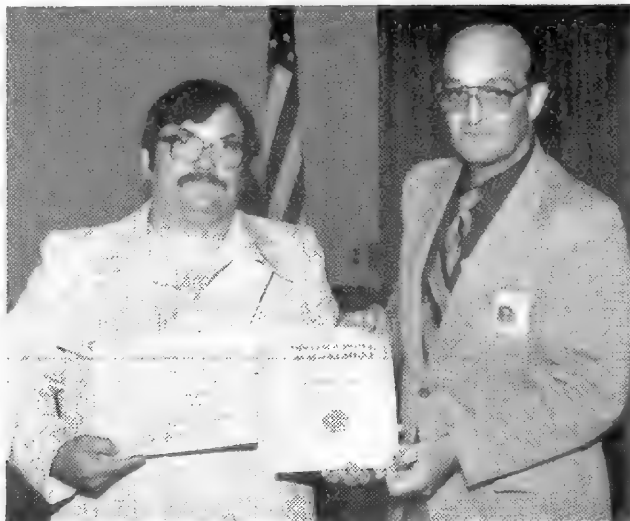
Shown inspecting the MRASM N/C part proof are (left to right): Jim Mousel, project engineer, MRASM; Fred Ketley, chief, Numerical Control; Henry Hyman, director, Manufacturing Engineering; Ted Laukemper, programmer; and Don Paganini, methods engineer.

First MRASM N/C Part Proofed

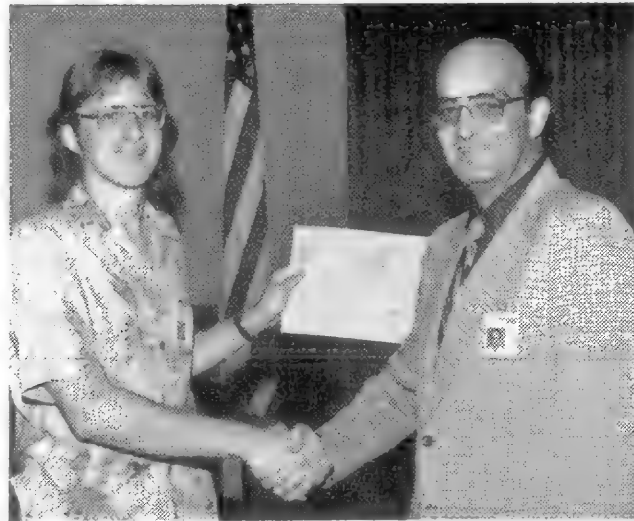
The lower skin of the MRASM midbody was proofed in plastic on July 24 on the numerically controlled (N/C) internal mill at Lindbergh Field. This is the first MRASM N/C part to be proofed. The next step in the process is to inspect the dimensions of the part, make minor adjustments to the program, and run the part using production material. Two skins will be available from this forging once machining is complete.

A Communications Tip

There is no charge for toll-free 800 calls or long-distance information (area code-555-1212). These calls can be dialed through the WATSBOX system. See page four of your current inplant telephone directory on how to dial.



Apprentice Machinists Awarded Journeyman Certificates. Leroy Snider, supervisor, Machine Shop, recently presented journeyman certificates to two graduate machinist apprentices. Richard Braeutigam, Jr. (left) was awarded his journeyman certificate and a distinguished achievement award for completing his four-year apprenticeship with perfect attendance. Braeutigam is now a manufacturing development technician in Metals & Ceramics. Stephen Wade (right) completed his four-year apprenticeship in June and is now a milling machine machinist at Lindbergh Field.



Security: It's Everyone's Job

Security is important, especially when you are working in a defense-oriented plant. Here are some tips to help you keep your workplace safe and sound.

- Be sure you properly secure all classified or confidential material when you're not using it.
- If you work in a restricted area, don't be afraid to challenge any visitor's level of clearance and "need-to-know." Deny access to anyone not having proper clearance.
- To discard classified waste material, take it to your Control Station for disposal.

Security is not just Security's responsibility. It's everyone's.

Silver Dollar Gets Donna Sisk a New Car

July 18 was a lucky day for Donna Sisk of Manufacturing Control. Desperate for a new car, she used a silver dollar from her mother to buy a ticket for the drawing at the Convair picnic. She happened to get the winning ticket for the grand prize 1982 Ford Escort. Over 10,000 picnic-goers shared her elation as she was handed the keys to her new car.

CRA Drawing for Free Padres and Sockers Tickets

CRA is offering two pairs of tickets for the following Padres games:

Wednesday, August 11 - Padres vs. Houston
 Friday, August 27 - Padres vs. St. Louis
 Sunday, August 29 - Padres vs. St. Louis
 (doubleheader)

In addition, ten pairs of tickets will be offered for the San Diego Sockers game on Wednesday, August 18. The drawing ends Monday, August 9. Please see the CRA Newsletter for details and coupon.

GENERAL DYNAMICS

SAFETY

SPOTLIGHT



"Lesson number one — always pay attention to signs!"

Noon Movie: 'Human Relations - Japan'

This week's movie is produced by the Japanese Information Center. It portrays human relationships in Japan, both inside and outside the family. At Kearny Mesa, showings will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending July 23, employment was 8,935.

CONVAIR Weekly Log

August 9, 1982

Published by the Convair Division of General Dynamics

NOTHING SHORT OF RIGHT IS RIGHT

Convair Quality and Teamwork Highlight Atlas H Rollout

Convair's first Atlas H was rolled out during ceremonies at Kearny Mesa on Friday, August 6. The ceremonies were attended by representatives of the Air Force and NASA, division staff members, and a crowd of over a thousand Convair employees. Dr. Buchanan opened the program with a brief background of the Atlas program. Bill Rector, vice president of Space, then spoke on the extraordinary schedule that was met through the efforts of the dedicated engineering, manufacturing, and management team. Conceived only a little over a year ago, the normal projected schedule of 26 months for completion was cut in half as Atlas 6001H was built in 11 months. The effort here at Convair was supported by the crew at Vandenberg AFB, who prepared the modified launch site from which the rocket will be launched.

After praising the Convair people who built the Atlas H, Ken Lake, Operations vice president, presented EXCEL awards to key members of the assembly team: Tom Gregory, Space & Energy Assembly & Test; Traves Smithers, Inspection; Hugh Collins, Production Control; and Marie Marguez, Electronics Division. Lake also presented Maynard Bjorstrom with a replica of the Atlas H. Bjorstrom, who retired July 30, was the Operations general supervisor.

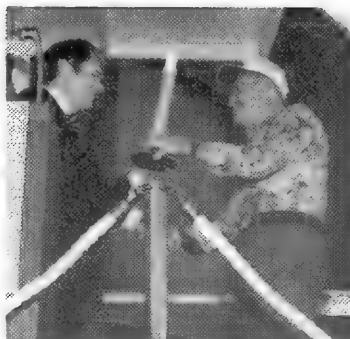
J. E. Patterson, chief of Launch Vehicles Division at NASA Lewis Research Center, noted that this kind of effort is typical of the spirit that has made this a great nation – that is, defying the notion that something can't be done. Col. L. L. Gooch, USAF, noted the importance of this milestone, but emphasized that the real test will be to get the very critical payload successfully into orbit. In conclusion, Brig. Gen. R. H. Jacobson, USAF, emphasized the importance of the spacecraft and its payload to the nation's defense.

Other key Convair personnel involved in the Atlas H project were Bob Martin, program manager; Ed Riemer, manager, Launch Vehicle Integration; and Karl Kachigan and Jim Heffron, Engineering.

We wish Atlas H a long and reliable life, and salute the combined government and industry team that made this occasion possible.



Col. Bass, DCAS; Rich Jumont, NASA; Ken Lake; Jim Patterson, NASA; Bill Rector; Col. Gooch; Brig. Gen. Jacobson; Dr. Buchanan.



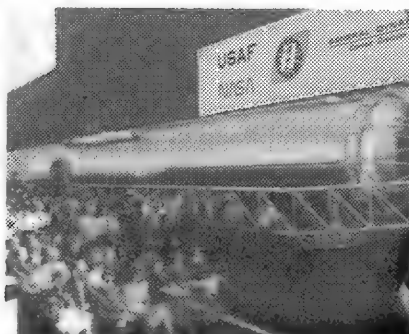
Maynard Bjorstrom accepts Atlas H replica from Ken Lake.



A large crowd of Convair employees attended the rollout ceremony.



The Atlas 6001H and the people who made it possible.



Atlas 6001H.



Dr. Buchanan presented EXCEL awards to Tom Gregory, Traves Smithers, Hugh Collins, and Marie Marguez.

ANOTHER TOMAHAWK MILESTONE First Booster Submarine Vertical Launch

T17:5 was successfully launched on August 6 from the SSN 688 VLS simulator mounted to an underwater launch pad off San Clemente Island. The vehicle flew 1 hour and 56 minutes on the open sea range and was successfully recovered on San Clemente Island. This was the first boosted launch following a successful test series of one static and three dynamic launches. The boosted launch demonstrated the underwater integration of Tomahawk, the Convair-designed launch tube assembly, the Westinghouse capsule launcher subsystem, and the NOSC translator. The test also demonstrated the transition from vertical boost to cruise flight. Jean Malthaner, SSN 688 VLS program manager, reports that the launch validates the SSN 688 VLS concept, and he sees no major obstacle in the development plans. Congratulations to all the Convair employees who made this successful test series possible.



First Experimental Model of EBT Ready for Delivery

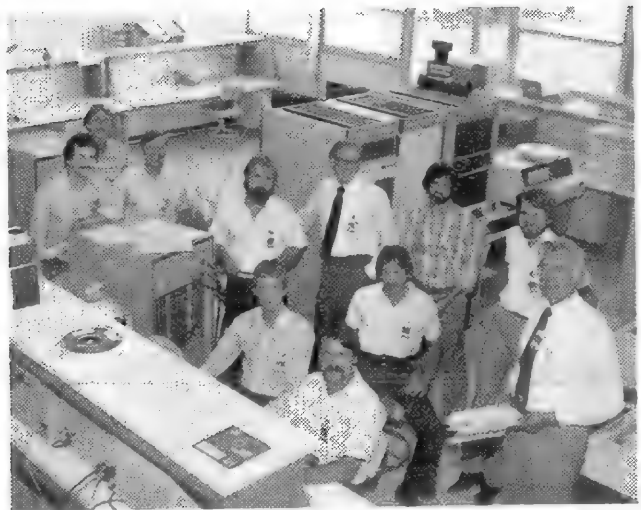
The development and manufacture of the first experimental model of the Elmo Bumpy Torus Proof of Principle superconducting magnet coil is complete. The group in the photo above was brought together to work on this program, which started in October 1980. The program includes the fabrication of three experimental magnet coil assemblies, 36 production magnet coils, and associated electronic control systems. Eventually, the production coils will be installed in an experimental fusion power system at the Oak Ridge National Laboratories in Tennessee. The program is under the administration of Dr. R. F. Beuligmann, director, Energy Systems. Other program personnel include Sam Ackerman, program manager; Dennis Lieurance, chief engineer; Sam Zullo, chief mechanical designer; Bob Came, operations manager; and Bruce Smith, department supervisor, Assembly.

KM Maintenance Trouble Calls

If you are dialing Maintenance Dispatch from a KM telephone, dial 5-8601. Dispatchers are available at all three shifts, Monday through Friday, to answer your calls.

Office Equipment

Trouble calls for office equipment (typewriters, calculators, copying machines) should be requested through LF Maintenance Dispatch at 5-8575.



Front row: Terry Wahlen, Jeff Acton, Mark Denker (seated), Tim Hall (standing). Back row: Jeff Fell, Tim Medved, Ron Topple, Tom Lamar, Jim Reed, Les Wolf, Ed Beers.

First MRASM Computer Hardware Delivered

After months of effort by a dedicated team (photo above), the first MRASM Digital Integrating Subsystem (DIS) hardware has been delivered, together with a fully integrated test system: the DIS Development System. The breadboard computers delivered in this package are wire-wrap units occupying almost seven cubic feet each. Later this year, production prototypes will be delivered.

Come to Las Vegas In October

NMA Convair Chapter is sponsoring a trip to Las Vegas the weekend of October 15-17. The trip includes accommodations at the new Sundance Casino Hotel in downtown Las Vegas, round trip bus transportation, and refreshments and prizes en route. The cost is \$170 per couple. All reservations must be made with Bill Kramer, KM 2855, by August 27. A \$25 per couple deposit is required.

Professional Development Course Offered

The first-line supervisor program course 2, "Management Principles," starts Tuesday, August 10, from 4:30 to 6:30 p.m. in the Operations conference room of building 5 (first floor, col. G-5). For registration, call Alan Sczepaniak, KM 2361, or Chris Yates, KM 3096.

From the CRA

Tonight on Channel 8, "P.M. Magazine" will feature Convair's CRA Health-Fitness Center.

Shape-Up. Starts August 9, on Mondays, Wednesdays, and Fridays from 4:30 to 5:30. LF classes are 4 to 5 and 5 to 6 p.m. on Harbor Island. Call KM 3567 or LF 8317 for details.

Noon Movie: 'Living Arts of Japan'

At press time, no details were available on this week's noon movie. At Kearny Mesa, the showing will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending July 30, employment was 8,929.

CONVAIR Weekly Log

August 16, 1982

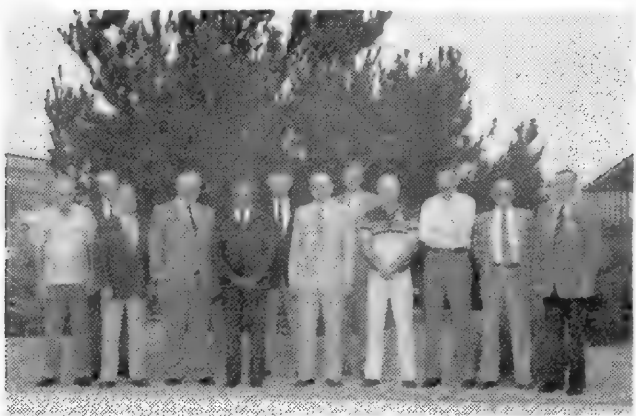
Published by the Convair Division of General Dynamics

**JOHN FOSTER**

NC Group Leader
Dept. 015
Plant 19
15 years at Convair

"The bottom line to quality is being a pro. If you want quality, you have to have people who care. You have to find satisfaction in what you do. 'Nothing Short of Right Is Right' means you cannot take less than what is expected."

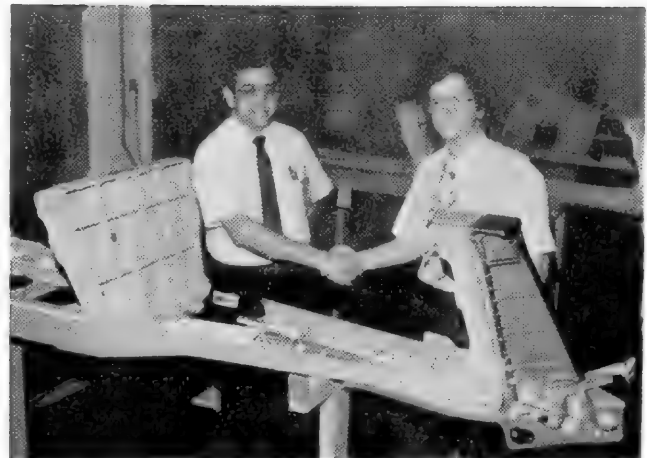
Nothing Short of Right Is Right!



A July 30 breakfast honored employees with 35 or 40 years of service to General Dynamics. Awards were presented by Dr. Buchanan and division staff members. Congratulations go to these employees for their contributions to Convair: (left to right in the photo) James Wallace, Bill Dietz (staff), Russell Strayer, Dr. Buchanan, Herman Jones, Jr., Thomas Hughes, George Felton, Ed Squires (staff), Herman Short, Joe Moore, James Winslow, David Archibald (staff).

Patents Awarded to Slysh

Paul Slysh has received two more patents on his space structure assembly and maintenance concept. Patent 4,334,816 covers the crawler mechanism, which automatically assembles a triangular truss structure in space as it crawls through the structure. Patent 4,332,501 covers the connection that is used by the crawler to interconnect the truss structural members.



Mike Zaragoza, Operations supervisor (left), is congratulated by Harry Gaugh, general superintendent, for completion on schedule of the mid-spar assembly for Convair's 100th 767 engine strut.

767 Strut Program Achieves Key Milestone

Production of engine strut systems for the new twin-engine 767 commercial transport has now reached a stable rate of seven struts (3.5 shipsets) per month under Convair's initial contract with Boeing for 400 shipsets. On August 10, we delivered, on schedule, our 40th production shipset, achieving the ten percent point in deliveries. Assembly has now started on our 100th strut. Meanwhile, the 767's successful flight test program led to FAA certification on July 30, clearing the way for delivery of the first 767 to United Airlines on August 20. By year end, twenty-five 767 airplanes will be delivered, out of 173 currently on order by 16 airline companies.

Shuttle/Centaur Expands Great Talent Search

THE GREAT TALENT SEARCH



With the Shuttle/Centaur funding, many new engineer and scientist positions are available. If you refer an eligible candidate who is hired through the Great Talent Search, you can receive a merchandise award.

Here are some often-asked questions about the Great Talent Search.

How do I submit my referral?

Great Talent Search drop boxes are located at most entrances to KM and LF.

Do I have to get an application for my referral?

No. When you return your GTS card, your referral will automatically be sent a GTS-stamped Convair application and a letter explaining who made the referral. You will get a letter acknowledging receipt of your referral. *May I refer applicants through Great Talent Search even though they are not likely to be hired as an engineer or scientist?*

Yes. You won't be eligible for the merchandise awards, but your referral will receive the same attention as engineer/scientist referrals.



Front: Kathy Pina, Elizabeth Carrillo, Martina Quintero, Maria Navarro, Mariana DeSarachio, Minh Nguyen, Caroline Cruz. Back: Manuel Barrera, Gabriel Guerrero, Michael Apan, Bob Butts (MAAC training officer).

YMIP Participants Tour Kearny Mesa Plant

Ten participants in the Youth Management Internship Program (YMIP) toured Convair's KM facility on July 30. These young people are working at Lindbergh Field for thirteen weeks this summer as part of YMIP 82, a project sponsored jointly by Convair and the Metropolitan Area Advisory Council. The objective of the program is to provide economically disadvantaged college students who have supervisory or management aptitude and interest with an opportunity to observe management operations in private industry.

Each student has been working with an individual mentor while at Convair. Mentors are Ken McCafferty, Quality Control; Bill Larson, NC Programming; Buzz Prettyman, Planning; Wayne Zupkas, Test Laboratories; Fred Shepard, Manufacturing Engineering; Glenn Gill, Tool Manufacturing; Ken Johnson, Education; Larry Shaw, Liaison Engineering; and Dale Culvert, Tool Control.

NMACC-SPONSORED COURSES

Two Certified Manager Courses Start in August

"Personal Skills for the Manager" begins on August 17 at Lindbergh Field and runs for eight Tuesdays from 4:30 to 6:30 p.m. in conference room B, building 1 (first floor, col. B-27, administrative office area). Enrollment is limited to 20. Register with Art Drown at LF 5780.

"Interpersonal Skills for the Manager" is one of three courses that will help you prepare for the Certified Manager exams. It will be held from 4:30 to 6:30 p.m. on eight consecutive Thursdays beginning August 26 in the CIMS II conference room (fifth floor), building 1 at KM. Register with Judy Braun at KM 3473.

Volunteers Needed for Veterans Program

The Southern California Vietnam Veterans Leadership Program (SCVVLP) is looking for volunteers. The

SCVVLP is a community-based effort that encourages well adjusted veterans and other interested citizens to volunteer their time and expertise helping those veterans who still have lingering problems from their experience in Vietnam. For more information about the SCVVLP, call 235-8857.



Kearny Mesa Expansion. Sixty-two office trailers have been removed at KM to make room for a two-story, 100,000-square-foot engineering building. Completion of this building in September 1983 will consolidate engineering administration and program offices at KM. Also, a courtyard at building 4 is being enclosed to provide additional space for Avionics. Convair employees are reminded to stay clear of construction areas and to be aware of construction operations, especially vehicles, inside the plant and in the parking lots.

Health-Fitness Programs Offered

Slimmercize. This ongoing exercise program combines stretching techniques and floor exercise with music. The class meets on Mondays, Wednesdays, and Fridays in room A, CRA clubhouse, from 4:30 to 5:30 p.m. The cost is \$20 to members and \$25 to nonmembers for five weeks. An extra benefit: pay for ten weeks and get five more weeks free.

Free Lunch Hour Lecture Series. The four-part series will run from August 17 through August 20. The topics:

Tuesday: "How to Make Change a Positive Process"

Wednesday: "Evaluating Diet Methods"

Thursday: "Using Stress Constructively"

Friday: "Self Management"

Lectures will be from 12 to 12:40 p.m. in building 5, mockup conference room A.

For more information and registration on HFC classes, call KM 3567.

Noon Movie: 'Recreation - The Japanese Way'

This week's movie focuses on how the Japanese maintain their individuality through recreation outside of the workplace. At Kearny Mesa, the showing will be at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m. A volunteer projectionist is needed for the 11:00 a.m. showing at KM. Call Bob Gobrecht at KM 1525 if you are interested.

Employment

For the week ending August 6, employment was 8,949.

CONVAIR Weekly Log

August 30, 1982

Published by the Convair Division of General Dynamics

**ART CORNISH**

Missile Mechanic A
Dept. 761-0
Kearny Mesa Plant
12 years at Convair

"Quality means a salable product – conformance to standards. Deviating from standards is inexcusable. 'Nothing Short of Right Is Right' means doing a nice, neat job."

Nothing Short of Right Is Right



Kudos! Red Hagerman, a senior flight test engineer at the Eastern Test Range, has been awarded the Convair Division Extraordinary Achievement Award for detecting a problem that could have resulted in a multimillion-dollar disaster during the launch of INTELSAT 5-D last February. During preparations for the terminal countdown demonstration of the Centaur propulsion test, Hagerman identified a noise that turned out to be coming from a stress corrosion crack in the liquid oxygen pump inlet valve. Pictured above (left to right): Glenn Baxter, site manager; Sy Baker, group engineer; Hagerman; and Dan Sarokon, base manager.

New Business for Convair Logistics

Logistics has won a contract managed by Universal Energy System for the study of computer-aided design (CAD) applications in supportability analysis for the Air Force Human Resources Laboratory. Convair and Data Systems Division are teamed in this effort to fully explore the potential of CAD in supportability analysis.

One of the benefits of a CAD system is that engineering drawings can be displayed as correct, three-dimensional representations. This greatly aids the analysis of supportability concerns such as accessibility of fasteners and test points, and clearances for required tools or removing assemblies.

The technical presentation that will be developed from this study will be used to promote government awareness of this approach. It will also provide the Human Resources Laboratory with a vehicle for presenting the approach to potential customers.

The proposal leader and ILS research coordinator is Pete Glor and the study manager is Mary Klement.



More Kudos! Leo Wilson (second from right), field test representative, Prototype & Preproduction Factory, has received a \$500 award for performance on the job exemplifying "Nothing Short of Right Is Right." Before the first flight of the midcourse guidance demonstration (MGD) vehicle at Eglin AFB, Wilson challenged a deficiency that would have allowed a parachute to be jettisoned while the vehicle was at several thousand feet of altitude, resulting in a loss of the missile during the recovery mode. At the presentation (left to right): Gordon Lundquist, acting superintendent; Roger Rote, Operations general supervisor; Wilson; and Dr. Buchanan.

Help Wanted: 'Adopt-A-School' Program

Convair and the NMA Convair Chapter have begun a joint sponsorship of the "Adopt-A-School" program. The purpose of the program is to bring industry and education closer together. The two schools we have adopted are Morse High School and Mt. Carmel High School. The Management Association will provide high

technology speakers to science and math classes at the schools, conduct field trips to various San Diego industries, and recruit volunteer Convair personnel for spare time help with specific projects. If you would like to help, please call Bill Franklin at KM 6235.



Gerry Skinner (left) receives Great Talent Search award certificate from GTS administrator Dennis Bartlett. Skinner, a senior project engineer in Dept. 117-4, received a merchandise award worth \$500 for referring Richard Arndt to Avionics.

New Business Hours for Professional Staffing

Starting August 30 and continuing through September, the Professional Staffing office in KM building 1 will be open until 7 p.m. Monday through Thursday evenings and 8 a.m. to 1 p.m. on Saturdays (except for September 4) to accept phone calls and arrange personal interviews for qualified candidates to fill openings in Research & Engineering, Operations, program offices, Program Development, Finance, Contracts & Estimating, and Logistics.

Ralph Kiger, manager, Management Personnel Relations, states that Convair has a large number of openings for skilled professionals – with particular emphasis on experienced engineers – in nearly all technical disciplines. Employees are encouraged to refer candidates to Professional Staffing through the Great Talent Search program. For more detailed information regarding openings, please call Dennis Bartlett, KM 6331, or Lee Kelley, KM 3477.

'Interpersonal Skills for the Manager' at LF

This eight-week seminar is open to everyone at Convair. The class begins September 8 and will be held from 4 to 6 p.m. in LF building 3, north end, column AB-30. The cost is \$10 for NMA members (refunded after completion) and \$14 for nonmembers. Register with facilitator Klaus Flitner at LF 8340. Enrollment is limited to 12.

Salvage Sale at LF for Employees

On Saturday, September 11 there will be a salvage sale at Lindbergh Field from 8 a.m. to noon. Items such as desks, chairs, file cabinets, tables, used lumber, scrap metals, racks, and lights will be available. (No typewriters this time.) No children under 15 or pets are allowed. Canvas or open-toed shoes cannot be worn.

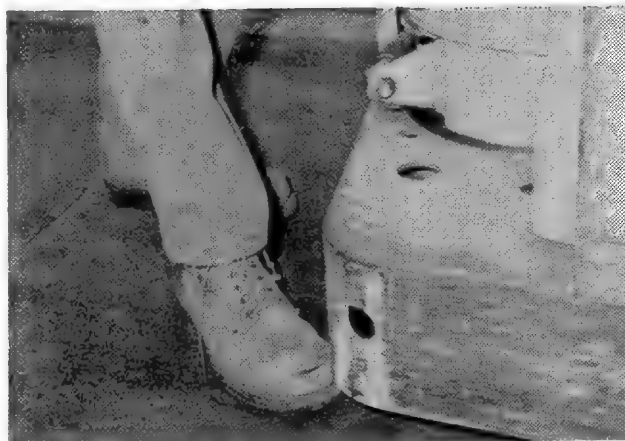
Rutherford Is NMA 'Member of the Year'

Norm Rutherford, manager of Art & Editorial, has been selected by the National Management Association as its "Member of the Year" for 1982. Rutherford will be guest of honor at NMA's Annual Conference and Management University to be held this year in New Orleans from October 10 through 13. He will be presented the award in ceremonies at the member-of-the-year banquet. Rutherford is a past president of the Convair Chapter of NMA (1975-76) and a former national director of the Management Association (1979-80).



NMA Sponsors Fall Trip

Las Vegas in October. NMA Convair Chapter is sponsoring a trip to Las Vegas the weekend of October 15-17. Accommodations will be at the new Sundance Casino Hotel. Cost of the trip is \$170 per couple. All reservations must be made with Bill Kramer (KM 2855) by September 3.



Why wear safety shoes? Ask David Gundloff (Dept. 225-1). He was wearing safety shoes when an electric pallet and tub jack rolled backward onto his right foot. As you can see in the photo, the shoe was injured but not his foot. The Convair Safety Manual Section 6-5 states that "full coverage-type safety, work, or dress shoes must be worn in all manufacturing, assembly, shop, lab, test stand areas, or areas that are designated as foot-hazard areas. Open-toed, high-heel, or canvas-type shoes shall not be worn in these areas." Canvas-type shoes include those in which any portion of the upper consists of a woven or nylon fabric.

Noon Movie: 'Pride on Parade'

This week's movie is about that all-American summer-time food: the hot dog. The film is produced by the Oscar Meyer Company. At Kearny Mesa, there will be one showing at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m. A volunteer projectionist is needed to resume the 11:00 a.m. showing at KM. Call Bob Gobrecht at KM 1525 if you are interested.

Employment

For the week ending August 20, employment was 8,984.

CONVAIR Weekly Log

September 20, 1982

Published by the Convair Division of General Dynamics

**PHYLLIS JORDAN**

General Clerk
Dept. 190-0
Kearny Mesa Plant
3 years at Convair

"Quality reflects your personality and what you stand for. In the work you do, other people will see how much pride you have in yourself. 'Nothing Short of Right Is Right' means not doing a halfway job."

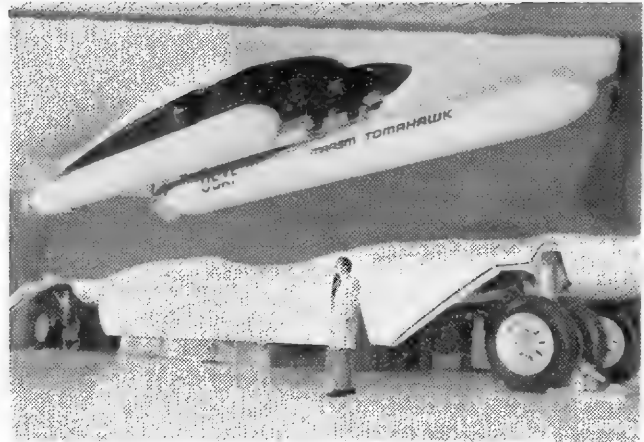
Nothing Short of Right Is Right!

Second DBS Flight Test Successful

The second lateral dispenser/dynamic BKEP simulator (DBS) flight test was successfully conducted at the Naval Weapons Center, China Lake, California. This flight was one of a series of submunition developmental flight tests using an FSI A-4 aircraft equipped with a dispensing POD to carry and eject the munitions. The major objectives of the flight tests at China Lake are to determine munition trajectory performance, verify performance of the lateral dispenser under dynamic flight conditions, demonstrate the capability to dispense submunitions in a controlled pattern, and to demonstrate closed-loop operation of the "auto-trigger" system.

Watch for Traffic Signs

To prevent accidents and near misses in the Convair parking areas, traffic signs have been posted. To ensure your safety at all times, please observe all traffic regulations and signs.



AGM-109 MRASM Shapes Mated to B-52

The first mating of an AGM-109H medium-range air-to-surface missile (MRASM) shape to a B-52 heavy stores adapter beam (HSAB) has been accomplished (photo above). The Air Force cruise missiles were attached to MAU-12 racks on the HSAB using a container base/loading adapter mockup designed and fabricated by the Armament Division at Eglin AFB as part of a missile loading exercise performed in the Convair Systems Integration facility. The missile shapes will be used later as test vehicles for flutter and jettison tests during the MRASM full-scale engineering development flight test program.



Virgil Breit displays a part on which nutplates were installed by Mary Lou Samarron, Gemcor operator. She is holding Breit's newly developed anvil and positioning system that reduces nutplate installation by 60 percent.

Convair Operations Supervisor Invents a Better Way

Virgil Breit, Operations supervisor in DC-10/KC-10 Subassembly, has come up with a time-saving way to install nutplates in aircraft components. He invented an attachment to the Gemcor 200 automatic rivet machine consisting of a shuttle arrangement with a two-axis micro adjustment that permits perfect alignment of nutplate holes with the Gemcor drill. This results in an installation of superb quality. With the thousands of

nutplates used both at Convair and throughout the aircraft industry, his development has great cost savings potential. Manufacturing Technology is handling the patent application. Congratulations on this fine effort.

They Retired in September

Convair's thanks and best wishes go to these employees who retired September 1.

| Name | Department/Title | Years of Service |
|-----------------------|--|------------------|
| Joseph M. Aguilar | 131-7 Guard | 35 |
| William Barnett | 031-0 Mockup mechanic | 42 |
| Charles E. Barrett | 015-0 Honed surfaces mechanic | 23½ |
| Doris Beird | 541-0 Keyprocessing operator | 23 |
| Thomas A. Bessey | 341-0 Group leader LG1 | 42 |
| Paul G. Bieberdorf | 831-1 Material operations supervisor | 32 |
| Jack F. Conly | 602-0 Engineering specialist | 25½ |
| Robert H. Egbert | 756-0 Engineer test technician | 41½ |
| Thomas Epperson | 001-0 Operations supervisor — manufacturing | 17½ |
| Oliver F. Fatica | 691-0 Engineer senior | 29½ |
| Bill C. Ford | 111-0 Senior estimator | 29 |
| Saul Freedman | 565-2 Software engineer senior | 3 |
| Robert Greer | 250-5 Lift truck and tractor operator | 30 |
| Aguedo B. Guassac | 015-0 Milling machine machinist | 30½ |
| Patricia J. Heatherly | 512-0 Senior management accountant | 23 |
| Joseph T. Jackson | 602-0 Engineering specialist | 42½ |
| Fred Jennings | 808-1 Subcontract representative senior | 22 |
| George F. Lawrence | 193-3 Time auditor | 32 |
| Joe S. Miranda | 831-1 Production audit analyst | 26 |
| Richard F. Summers | 671-0 Senior engineer | 31 |
| Clair E. Taylor | 427-0 Senior tool and manufacturing engineer | 39 |
| Gene K. Watson | 431-0 Tooling supervisor | 40 |
| Clint A. Wilson | 001-0 Template die maker | 37 |

UCSD Expands Graduate-Level AMES Schedule

The Department of Applied Mechanics and Engineering Sciences at UCSD is scheduling an increasing number of graduate-level courses at times that are more convenient for students with full-time employment commitments. As much as possible, classes have been scheduled in early morning or late afternoon, often with only two meetings per week. If there is sufficient interest, the department will attempt to expand the number of offerings at these times so that interested students can further their graduate education with minimal impact on their other activities. To find out what courses are being offered during the 1982-83 academic year, contact Educational Services in building 17 or ask your supervisor about the flyer detailing the course schedule.

Learn Cardiopulmonary Resuscitation

Kearny Mesa. To bring this life-saving technique to all Convair employees, families, and friends, fireman Joe Harrison will conduct a two-part CPR certification course on October 27 and 28 from 5 to 9 p.m. in the KM cafeteria. Refreshments will be provided by the Convair Chapter of the NMA. For reservations, call the 24-hour number — KM 1510 — at the KM fire station. The class is limited to 65 persons, so please do not make a reservation unless you actually plan to attend.

Plant 19. A special CPR class limited to employees only is scheduled for Plant 19 swing shift personnel. Meetings will be from 11 a.m. to 3 p.m. on October 5 and 7 in the building 4 conference room (south end, second floor). Reservations will be taken at the 24-hour number — KM 1510 — at the KM fire station.

Pre-Retirement Planning Seminars to Meet

Now is the time to sign up for the upcoming pre-retirement planning seminars sponsored by Employee Benefits and presented by Central Federal Savings and Loan Association. The series of six classes will be held one evening a week from 5:30 to 7:30 p.m. The first series will start September 22. Participants should meet in the lobby of building 2 at Kearny Mesa on the first night. Employees must wear their badges. Spouses are also encouraged to attend. Make reservations for the seminar by calling KM 2267.

Tektronix Product Show Near KM Plant on Oct. 6

Tektronix will have a one-day show at the Al Bahr Temple on Clairemont Mesa Blvd., just west of the Kearny Mesa plant, from 9 a.m. to 5 p.m. on Wednesday, October 6. Specialists will be on hand to demonstrate new and existing products.

NMACC Sponsors Course 7: Counseling

This first-line supervisor course covers the importance of listening, a supervisor's role in counseling, and effective counseling techniques. This is a new course that builds on past programs; however, you do not have to complete courses 1 through 6 before taking it. The class begins Wednesday, September 22, in the CIMS II conference room (building 1, fifth floor, column E-5) at Kearny Mesa from 4:30 to 6:30 p.m. The cost is \$10 for NMACC members (refundable upon successful completion) and \$15 for nonmembers. Register with Chris Yates at KM 3096.

CM Test Date Approaching. Those intending to take the November 6 certified manager exams must send in their applications and fees before October 6. Call Julian Jaeger at LF 5912 for details on how to become a certified manager.

From the CRA

Back Care. A *free* introductory back care workshop will be offered Tuesday, September 30, at 4:30 p.m. at the CRA clubhouse. This workshop will be followed by a five-week class in back care conducted by Dr. Lawrence Adams. The class will be held on Tuesdays and Thursdays, beginning October 5, from 4:30 to 5:30 p.m. The cost is \$45 for Health-Fitness Center members and \$55 for nonmembers.

Project Recharge. Use your noon hour to recharge: learn and practice performance enhancement techniques in three weeks. The Project Recharge class meets Mondays, Wednesdays, and Fridays from 11:40 a.m. to 12:10 p.m. beginning September 27 in building 5, conference room A. The cost is \$15.

For further information on these and other Health-Fitness Center programs, call KM 3567.

Noon Movie: The Personal Story

This week's movie is about the United Way. It includes unpublicized personal stories about Charger football stars like Dan Fouts and Rolf Benirschke. At Kearny Mesa, the showing will be at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending September 10, employment was 9,025.

CONVAIR Weekly Log

September 27, 1982

Published by the Convair Division of General Dynamics

**ERNESTO FLORES**

Custodian
Dept. 253-1
Kearny Mesa Plant
3 years at Convair

"Quality means the best. It refers to a unified effort between the company and its employees to get the best results."

Nothing Short of Right Is Right!

60TH ANNIVERSARY**Fire Prevention Week October 3-9**

This year is the 60th anniversary of the first Fire Prevention Week in the U.S. Over the years, Fire Prevention Week has reminded people of the importance of fire safety in all our surroundings. This year's Fire Prevention Week theme is "Learn Not to Burn Wherever You Are." In addition to practicing fire safety in our homes, what can we do to protect our workplace?

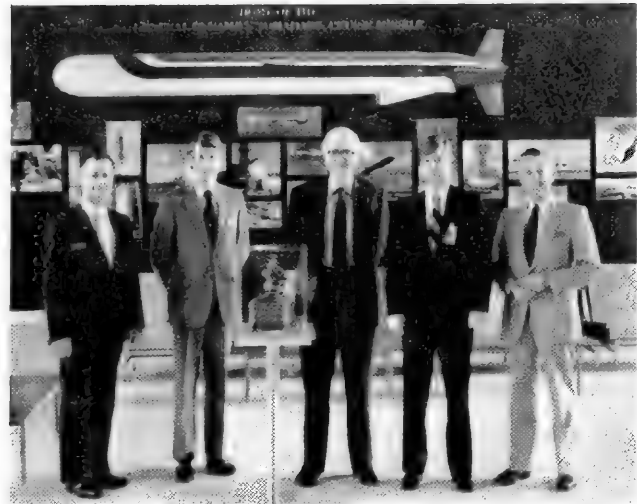
- Report fire hazards to your supervisor
- Observe all "No Smoking" regulations
- Use caution with flammable liquids
- Clean up spills without delay
- Promptly dispose of cloths used with flammables
- Take special precautions when welding or cutting
- Observe safe storage practices
- Never obstruct sprinklers or block fire doors
- Learn how to use fire extinguishers in your area

Notice

Effective immediately, all direct expense procurement authorization requests (PAs) for non-inventory operating supplies require the approval of an individual reporting directly to a division staff member.

Cruise Missile Briefings Held at KM

Rear Adm. Stephen J. Hostettler, director, Joint Cruise Missiles Project Office; Capt. Gene Geronime, special assistant to the director; Dr. Bill Smith, cruise missile chief engineer; and Col. Don Couture, GLCM program manager were at Convair last week for an in-depth review of the cruise missile programs. The formal briefings covered our production schedules, the improvements in manufacturing methods we are implementing for production, our quality assurance program improvements, and a number of programmatic issues to assist us in our downstream planning.



Left to right: Capt. Heisinger, USN; Peter Craine, secretary to Mr. Blaker; Peter Blaker, Minister of State for Armed Forces, U.K.; Brad Beaver, Program Development-Convair; Rear Adm. P. J. Symons, RN, Naval Attache, U.K. Embassy, Washington, D.C.

U.K. Minister Visits Convair

On September 21, Peter Blaker, Minister of State for the Armed Forces in the United Kingdom, visited Convair for briefings on the cruise missile. Mr. Blaker is directly responsible for host nation support required from the U.K. for the U.S. deployment of ground-launched cruise missiles. He is also responsible for presentation of U.K. nuclear policy, arms control and disarmament, and the three branches of armed services.

RAF College Students Visit Convair

On September 22, members of the Royal Air Force College general duties aerosystems course visited the Kearny Mesa facility for briefings on Convair and Pomona programs. This 49-week postgraduate course is offered at the Royal Air Force College in the United Kingdom. It is designed to give selected aircrew officers an advanced education in the airborne applications of military weapons systems. During the course, students visit military and industrial organizations in the U.K., Europe, and the U.S.



Con-Trib Tour and Kickoff. Left: Convair and Western Center employees board the bus for a tour of some of the charitable agencies supported by the Con-Trib Club. Middle: One of the stops on the tour was the United Cerebral Palsy facility. Right: Rolf Benirschke, honorary chairman of the 1982 United Way campaign, was a guest at the Con-Trib kickoff breakfast on Tuesday, September 14. Benirschke is pictured with Sara Boehmer, Management Support (left), and Judi De Puy, Employee Benefits.

Con-Trib Tours Health and Human-Care Agencies

On September 13 and 14, approximately 80 Convair and Western Center employees toured three health and human-care agencies to kick off the 1982 Con-Trib Club campaign. The employees visited the Children's Hospital, United Cerebral Palsy Association, and Cedar Community Center. The purpose of the tour was to

show first-hand how a portion of the funds contributed by Convair employees is used in the community. The tour concluded with lunch in the CRA picnic pavilion.

This year the campaign goal is \$800,000, all of which will be directed by the Con-Trib board of directors to the needs of the San Diego community and to the employees' emergency aid fund.

No Shortcut to Perfection

This is the title of the newest film production by our Motion Pictures and Television Department. It will involve all of us here at Convair because it is about us. Starting today, the motion picture crew will be in many areas of the plant filming examples of excellence and high-quality production in cruise missile design, engineering, management, and manufacturing. The completed film will be shown to Convair employees and to our suppliers to increase awareness of the importance of quality work and individual responsibility.

You will recognize the film crew – they will be wearing distinctive "No Shortcut to Perfection" T-shirts. Please give them your support and cooperation.

Hunter to Speak at October NMACC Meeting

The next National Management Association Convair Chapter dinner meeting will be held on Thursday, October 21 in the Grand Ballroom of the Sheraton-Harbor Hotel. Congressman Duncan Hunter will be the guest speaker. The social hour will begin at 5 p.m. with dinner following at 6 p.m. The evening's agenda also includes a spotlight presentation, scholarship drawing, and door prize. Contact your NMACC booster for tickets. Enjoy dinner and the latest word from Washington.

What's Your Type?
Find out during the
Convair & Western Center Blood Drive
October 18 through 22
SAN DIEGO BLOOD BANK T-SHIRTS
WILL BE GIVEN TO ALL DONORS
Reservations details next week

From the CRA

Fun Run. The next fun run is Tuesday, September 28, at 4:30 in Missile Park. The \$5 fun run membership fee includes prerun stretching, refreshments, and awards at the monthly events.

Shape-Up. This program of group exercise and educational workshops will begin Monday, October 11. The class is held on Mondays, Wednesdays, and Fridays from 4:30 to 5:30 p.m. for seven weeks.

Back In Action. A free introductory back care workshop will be held Thursday, September 30, at 4:30 p.m. Regular classes will follow beginning Tuesday, October 5, for five weeks on Tuesdays and Thursdays.

Call the Health-Fitness Center at KM 3567 for details.

Learn Effective Communication with 'Speechcraft'

Convair Toastmasters No. 3745 is presenting "Speechcraft," an eight-session class beginning Wednesday, September 29. It will be held from 5 to 7 p.m. in the CRA clubhouse. The seminar will help you use words effectively, develop organizational and listening skills, and constructively evaluate your image. The \$7 fee covers the eight sessions and instructional materials. Call George Paul at KM 2576 or Clarence Hicks at LF 5744 for more information.

Noon Movie: 'Everything Rides on the Roads'

This week's movie focuses on America's highways and their importance to our economy. At Kearny Mesa, there will be one showing at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

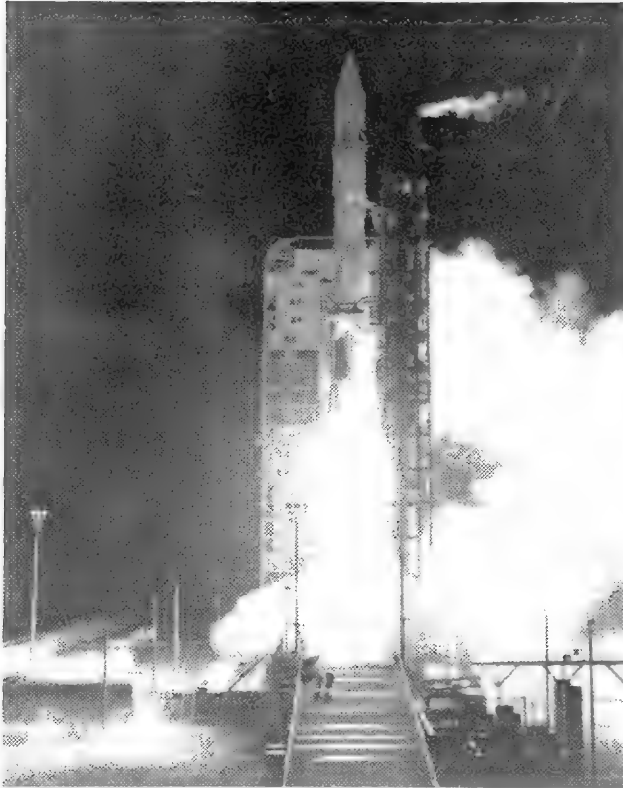
Employment

For the week ending September 17, employment was 9,055.

CONVAIR Weekly Log

October 4, 1982

Published by the Convair Division of General Dynamics



NOTHING SHORT OF RIGHT IS RIGHT

Atlas/Centaur 60 Successfully Launches Intelsat V

On September 28, the Convair-built AC-60 successfully placed another Intelsat V communications satellite in geosynchronous transfer orbit. This was the fifth in the current six-vehicle Intelsat V program, which will be followed by the V-A series to be launched in 1983, 1984, and 1985.

The countdown was completely uneventful. All systems were within parameters. The launch followed, and all the flight data was correct. INTELSAT reported that the spacecraft was in excellent condition and in an almost perfect orbit.

During the debriefing that followed the launch, the government and industry participants congratulated us on our success and the total dedication of our team. This was the 468th Atlas and the 67th Centaur launch. (The above photo is a NASA Atlas/Centaur launch in 1978.) We have now completed five continuous years of successful launches of Atlas/Centaur vehicles. Congratulations to all who have contributed to this outstanding achievement.

This week - Fire Prevention Week - smoke detectors, fire extinguishers, and escape ladders will be available for purchase at the KM and LF fire stations. These items are available at a discount through the San Diego Fire Equipment Company.



Some of the Engineering and Operations people who worked on the GLCM weapons control system trainer.

GLCM Hardware Delivered

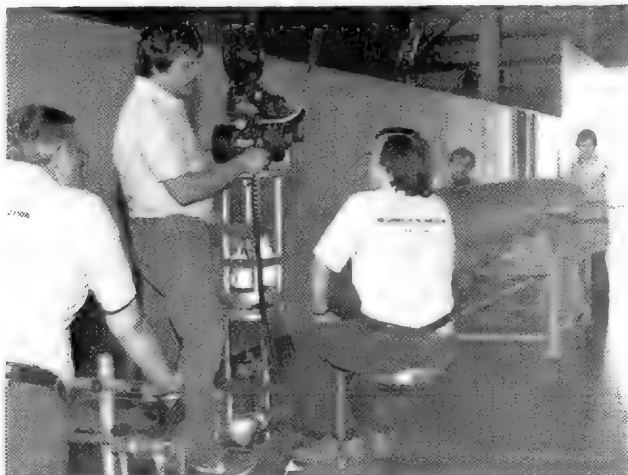
The first piece of GLCM production hardware, a maintenance trainer, was formally accepted by the government on September 28. It will now be delivered to the Air Force Training Command at Davis-Monthan AFB, Arizona, where it will be used to train Air Force personnel in the maintenance of the GLCM weapon control system. The selloff demonstration and government acceptance was accomplished ahead of schedule thanks to a dedicated team effort by Engineering and Operations personnel.



ILS Continues to Provide Support to the Navy

Under a contract with the U.S. Navy, Integrated Logistics Support is providing a field service representative who teaches familiarization and troubleshooting courses for the C-131 (Convair 340/440) aircraft. Courses were conducted at Naval Air Stations in Norfolk, VA; Guantanamo, Cuba; San Juan, Puerto Rico; and Sigonella, Sicily, during August and September. Pictured above is R. E. Howard (back row, second from right), Aircraft Logistics Support, and part of his class in Puerto Rico. A note about the aircraft in the photo: it was delivered by Convair in 1956 and is still going strong for the Navy.

FLIP



Filming Starts on 'No Shortcut to Perfection'

You may have seen Convair's Motion Pictures and Television crew shooting scenes in areas around the division for the new cruise missile film. The photo shows them shooting the opening scene in building 5 at Kearny Mesa. Filming should be completed within the next few weeks. Please give the crew your support and cooperation if they visit your area. You'll recognize them by their distinctive "No Shortcut to Perfection" shirts.

Get Typed October 18 through 22

Call now to reserve your time to donate blood during the Convair and Western Center blood drive the week of October 18-22. The San Diego Blood Bank, the recipient of our blood drive, is the only supply source for all 30 San Diego County hospitals. Donations of 300 pints a day are required to supply the community's need. In addition, all employees benefit from the Convair Reserve Fund. Depending on your insurance coverage, you pay either a reduced processing fee or no fee at all, and there is never a charge for units of blood for any employee or dependents.

Make your appointment early and receive a San Diego Blood Bank T-shirt. Here are the dates available for your location and the extensions to call for appointments.

| Plant | Extension | Dates | Times |
|--------|-----------|---------------|---------------------|
| KM | 1811 | October 18-19 | 8 a.m. to 1 p.m. |
| LF | 8244 | October 20-21 | 8 a.m. to 1 p.m. |
| Pl. 19 | 8244 | October 22 | 8 a.m. to 4:45 p.m. |

NMACC Sponsors Two Courses

Course 7 - Counseling. Due to overwhelming response, this course will be offered again. It's a first-line supervisor course covering the importance of counseling techniques for the supervisor. The seven-week class will begin Tuesday, October 5. It will be held in the think tank conference room, building 26 (second floor, column J-26) at KM from 4:30 to 6:30 p.m. Facilitator will be Nancy Kimerly.

Effective Executive. This is a four-week class that will begin Monday, October 11, in the FAC conference room, building 1 (mezzanine, column J-9) at LF. It will be held from 4:30 to 6:30 p.m. Steve Birmingham will be the facilitator.

The cost for either course is \$10 for members (refundable upon successful completion) and \$15 for nonmembers. Register with Chris Yates at KM 3096.

Convair Library Linked with Fort Worth and Pomona

The library at the Fort Worth Division has joined the Pomona Division library in performing on-line searches of the Convair research library's storage and information retrieval system (STAIRS) database. STAIRS contains 160,000 documents, including books, journal articles, papers from scientific/technical meetings, and technical reports. It is updated weekly with new material. If you require a computer search or additional information, contact Urban Sweeney, chief librarian, KM 1073, MZ 40-6540.

Utility Bills: You Can Make a Difference

Our total utilities bill for August was \$1,185,205. Electricity cost \$990,531, natural gas \$141,799, and water \$52,875. We used enough electricity this August to supply 1,662 San Diego homes for one year! The winter season for electrical billing began October 1, which means higher rates for on-peak periods (6 p.m. to 10 p.m.) You can make a difference at work and at home in bringing down utility costs. Try to schedule consumption, especially large loads, into the off-peak period (10 p.m. to 11 a.m.) whenever possible.

Hunter, Benirschke at NMA Meeting

Additional details are available on the NMACC dinner meeting October 21 in the Grand Ballroom of the Sheraton-Harbor Island Hotel. Congressman Duncan Hunter will speak, and Charger kicker Rolf Benirschke will also be a part of the program. A Scholarship Fund drawing and door prizes will be offered. The cost is \$9.50 for members and spouses and \$13.50 for nonmembers. Get your tickets from an NMACC booster.

Point Loma Federal Credit Union Sponsors Car Sales

During October, the Point Loma Federal Credit Union will cosponsor two car sales for its members: a Hertz used-car sale and a new-car sale through participating area dealers. The Hertz sale will be held Saturday, October 30, from 9 a.m. to 3 p.m. at the Hertz lot at Kettner and Ash. A large selection of models from the Hertz rental fleet - none more than one year old and all in top condition - will be available. Members will be notified through the mail about the new-car sale dates.

Travel to San Felipe in November

Plan now to enjoy a relaxing weekend in San Felipe, Mexico, November 5 through 7. This three-day trip includes transportation from San Diego, accommodations at the Hotel de Playa, a welcome cocktail, seafood buffet, two breakfasts, one lunch, tips, and taxes - all for \$125 per person. Make reservations, including a \$25 per person deposit, with Bill Kramer, KM 2855, by October 7.

Noon Movie: '800 Miles of Winter'

This is a story about one of the most difficult and costly construction projects ever attempted - the first all-weather road from a port in southeastern Alaska to the Arctic Ocean. Produced by the Caterpillar Tractor Company, the film is the recipient of several industry awards. Lindbergh Field will have no showings this week. The projectionist is on vacation. At Kearny Mesa, there will be only one showing at noon on Wednesday in classroom 3 of building 17.

Employment

For the week ending September 24, employment was 9,091.

CONVAIR Weekly Log

October 11, 1982

Published by the Convair Division of General Dynamics

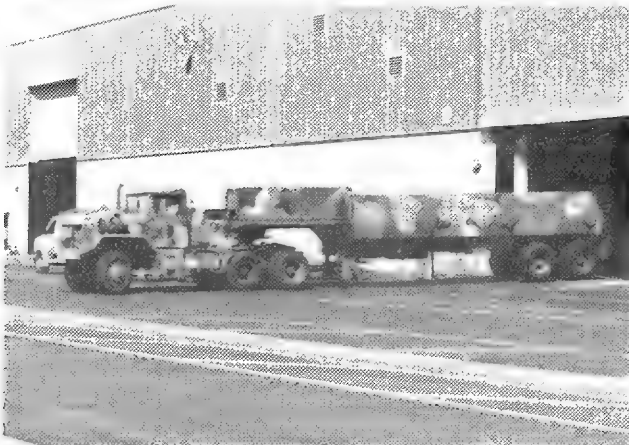
Quality Awareness

This is the first appearance of "Making a Difference," a column you will see regularly in the "Weekly Log," alternating with the feature "Nothing Short of Right Is Right." Every other Monday, "Making a Difference" will address quality awareness issues in our workplace, bringing us news about individual contributions to quality, progress reports on Quality Circles, comments from customers, company efforts to improve quality awareness, EXCEL awards, and other noteworthy events about good work at Convair.

The purpose of this column is to help "make a difference" in our productivity and the quality of our work. We need your input. If you have comments or suggestions for articles about quality awareness issues, please send them to "Making a Difference," Bluesheet coordinator, MZ 20-1331, KM 2255.

The next "Making a Difference" column will appear on October 25.

Making a Difference



GLCM TEL Delivered

The first production article of launch equipment for the ground-launched cruise missile (GLCM) program was delivered on October 4. Transporter-erector-launcher (TEL) No. 5 was factory-complete and delivered to Davis Monthan AFB in Arizona, where it will be used in the training of Air Force personnel.

This is a significant milestone for the cruise missile program and the division. It represents the transition of a major defense program from full-scale engineering development to production.

Savings and Stock Plan Values for August

| | 1980 | 1981 | 1982 |
|-----------------------|-------------------|------------------|------------------|
| Salaried | | | |
| Government Bonds | \$ 2.4357 | \$ 2.6163 | \$ 3.1132 |
| Diversified Portfolio | 1.9194 | 2.0366 | 2.0660 |
| Fixed Income | 1.1167 | 1.2385 | 1.3786 |
| Hourly | | | |
| Government Bonds | 2.4335 | 2.6133 | 3.1113 |
| Diversified Portfolio | 1.9580 | 2.0803 | 2.1088 |
| GD Stock | \$35.8125* | \$22.8750 | \$33.5000 |

*Reflects 2-for-1 stock split of November 1980.



The stainless steel bobbin has sidewalls up to five inches thick. Rotation of the bobbin pulls the conductor through the tensioner shown at the left. The conductor is wound under 2,000 pounds of tension.

Large Coil Program Milestone Met

The large coil superconducting magnet program has achieved a major milestone: completing the winding of conductor. Over five miles of copper and niobium titanium conductor were wound onto the large D-shaped stainless steel bobbin. The conductor was then pulled through the sidewall to the terminal block.

Major tasks remaining are to complete the installation of insulation, fit up and weld the outer ring, and inject the space between the conductor and outer ring with epoxy to get a tight structural fit. The coil is scheduled for delivery to Oak Ridge National Laboratory at the end of January 1983.

Still Time for Blood Donors to Sign Up

Convair and Western Center employees can still make an appointment to donate blood next week. Active employee participation in the annual blood drive makes it possible to provide a no-charge replacement service to

all employees and their dependents and also to answer a community need.

Blood Bank T-shirts will be given to all donors. Call now and make the appointment to "share yourself."

| Place | Time |
|--|---|
| Kearny Mesa Fire station—building 6 Call 1811 (fire department) | Monday & Tuesday October 18 & 19 8 a.m. to 1 p.m. |
| Lindbergh Field Classroom 1, building 2 Call 8244 (fire department) | Wednesday & Thursday October 20 and 21 8 a.m. to 1 p.m. |
| Plant 19 — Trailer outside building 4 first-aid station Call 8244 (fire department) | Friday, October 22 8 a.m. to 4:45 p.m. |



Employee Suggestion Award Goes to Gallego

Steve Gallego, missile mechanic, Cruise Missiles Final Assembly, recently received an award of \$491 for cost and safety improvements to the wing rigging procedure. Gallego is pictured in the photo above (center) with Ed Squires, vice president, Operations (left); and Joe Rogers, superintendent, Cruise Missile Final Assembly. Congratulations to Gallego for doing the kind of quality work necessary to make Tomahawk a success.

Some Tips on Preventing Vehicle Theft

According to the San Diego Police Department, vehicle and accessory thefts have become a major concern in our city. This type of crime cannot be stopped completely, but you can make it hard for someone to steal your car or property. Plant Protection requests your assistance in reducing vehicle theft by following some guidelines supplied by the police department.

1. Lock your car at all times.
2. Roll up windows tightly – open heater vents.
3. Do not leave valuables in conspicuous places within the car.
4. Secure the hood latch release if it is not inside the car.
5. Install a hidden kill-switch on your ignition. This can be obtained at any auto parts store.

Some Communications Tips

1. Should your extension number change, please call the directory clerk at KM 1026, or mail the pre-addressed directory change card located in the back of your inplant directory. Please inform outside callers of your new number.
2. Long distance calls placed through the WATSBOX before 8 a.m. or after 5 p.m., Monday through Friday, are billed at a lower rate to the company. If the party you called is out, leave your full name and complete telephone number for callback.
3. If your package has to be at its destination quickly but not necessarily overnight, use priority mail. That will ensure a two- or three-day delivery at one-third the cost of overnight shipping.

From the CRA

Shape-Up. This is the last chance for Shape-Up classes this year. The KM class will begin Monday, October 11, in room A, CRA clubhouse. Seven weeks of classes are free to Health-Fitness Center members and \$40 for nonmembers. LF classes will begin Tuesday, October 12, at 4:30 p.m. in building 14, rooms 4 and 5. Regular classes will be held Tuesdays and Thursdays at 4 and 5 p.m. The class is free to HFC members and \$25 for nonmembers.

Free Lunch-Hour Lecture Series. Stop by building 5 mockup conference room A from noon to 12:40 p.m. the week of October 18 and hear free lectures. The topics:

Monday: "Dealing with Divorce"

Tuesday: "Retirement as a Growth Opportunity"

Wednesday: "Families — Comfort or Conflict"

Thursday: "Substance Abuse, Parents and Kids"

Ski Fitness. Prepare for the slopes. Ski Fitness exercise class begins November 9 for four weeks. Class meets Tuesdays and Thursdays from 4:30 to 5:30 p.m. and costs \$16 for members and \$20 for nonmembers.

Slimmercize. Ongoing program that combines stretching techniques and floor exercise with music. Class meets Mondays, Wednesdays, and Fridays in room A, CRA clubhouse, from 4:30 to 5:30 p.m. Cost is \$20 for members and \$25 for nonmembers for five weeks. Bonus: pay for 10 weeks and get five weeks free.

Project Recharge. At the request of employees, this stress reduction program was begun at Corporate Court on October 4. If you would like a program convenient to your worksite, contact the Health-Fitness Center. A minimum of 10 persons is needed to establish a new class.

For information on any Health-Fitness Center program, call KM 3567.

Noon Movie: 'Putting the Pieces Together'

This week's movie is about the manufacture of the Boeing 727 aircraft. At Kearny Mesa, there will be one showing at noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending October 1, employment was 9,116.

CONVAIR Weekly Log

October 18, 1982

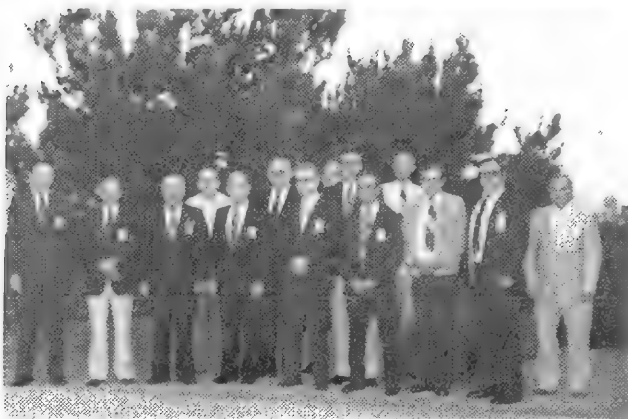
Published by the Convair Division of General Dynamics

**A. W. NELSON**

Director
Advanced Offensive Missile Programs
Kearny Mesa Plant
22 years at Convair

"Quality means doing the job right the first time and every time. 'Nothing Short of Right Is Right' is meeting budget and schedule requirements, and ensuring that the end product does what it is intended to do."

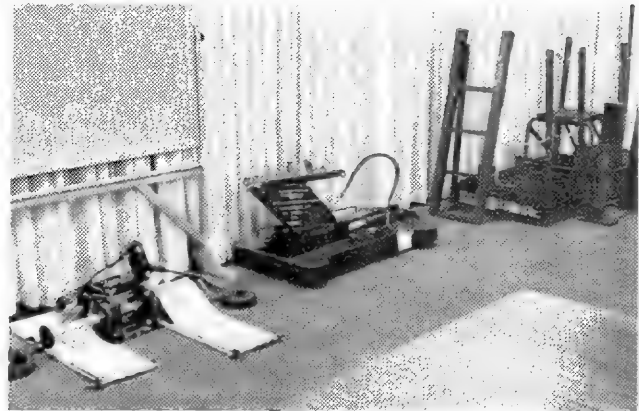
Nothing Short of Right Is Right!



Service Award Breakfast. Convair employees who recently completed 35, 40, or 45 years of service were honored at a Service Award Breakfast on October 1. Richard Adams, general manager, hosted the event, which was held in the KM executive dining room. The awardees and division staff members are (left to right): Mr. Adams, Sherman Willis, Jr. (40 years), Bob Ratliff (35), George Bradley, Jr. (35), George Williams (40), Bill Daniel (35), Robert Bruce (45), B. J. Kuchta (staff), Carroll Lunsford (35), Frank Vigliaturo (40), Ed Squires (staff), Hugh Collins (35), James Blackwell (35), and John Bogen (45).

Goodbye to Daylight Saving Time

On Sunday, October 31, Daylight Saving Time ends and we go back to Standard Time. All clocks will be set back one hour at 2 a.m. on October 31. The shift hours of employees reporting to work at 7 a.m. on Sunday, October 31, or any time after that, will conform to local Standard Time.



Some of the SLCM/GLCM support equipment displayed at SE Fair (left to right): dockside canister loading beam, transporter-erector-launcher actuator handling kit, and portable maintenance platform.

SE FAIR

Cruise Missile Bidders' Conference a Success

On October 13, Convair's Material Department, in conjunction with the Cruise Missile Program Office, hosted SE Fair, a vendor conference for the procurement of 36 SLCM/GLCM support equipment items. Attending were representatives from seven San Diego firms, 18 Los Angeles firms, and one each from Seattle and Fort Worth.

The suppliers expressed enthusiasm for the opportunity to discuss the cruise missile program and to see the equipment on display. SE Fair was considered a success by Convair personnel. It will help us to ensure support of schedule needs and customer requirements.

This Is Women's Opportunity Week

San Diego Mayor Pete Wilson has proclaimed the week of October 18 "Women's Opportunity Week." The event is designed to increase awareness of the opportunities available to women today and to recognize women's contributions to the community.

At Convair, women in the workforce have nearly doubled in number since 1975. The number of women managers has grown by 146 percent, professionals by 371 percent, technicians by 352 percent, and crafts/operatives by 57 percent. Recognizing this growth, Convair has held seminars for women over the last year that were designed to enhance professional and personal development. Similar activities are planned for the upcoming year.

A list of Women's Opportunity Week activities scheduled throughout San Diego is available at the Kearny Mesa Equal Employment Opportunity office (building 2, first floor) and at the Lindbergh Field EEO office (building 16, northwest corner).

Blood Drive Begins Today

Remember your appointment to give blood and pick up your Blood Bank T-shirt when you donate.

| Place | Time |
|-----------------------------|----------------------|
| Kearny Mesa | Monday & Tuesday |
| Fire station—building 6 | October 18 & 19 |
| Call 1811 (fire department) | 8 a.m. to 1 p.m. |
| Lindbergh Field | Wednesday & Thursday |
| Classroom 1, building 2 | October 20 and 21 |
| Call 8244 (fire department) | 8 a.m. to 1 p.m. |
| Plant 19 — Trailer | Friday |
| Outside building 4 | October 22 |
| First-aid station | 8 a.m. to 4:45 p.m. |
| Call 8244 (fire department) | |

They Retired in October

Convair's thanks and best wishes go to these employees who retired on October 1.

| Name | Department/Title | Years of Service |
|-------------------------|---|------------------|
| Robert B. Ashe | 431-0 Sr Tool & Operations Planner | 24 |
| Paul J. Aslin | 049-0 Aircraft Assembler | 36 |
| Joseph Barnes | 191-0 Accounting Analyst | 23 |
| Eddie M. Bray | 518-0 Computer Systems Analyst | 14 |
| Anton R. Brunner | 228-1 Material Projection Analyst | 35½ |
| Carroll L. Cheves | 979-4 Quality Assurance | 32 |
| William Garcia | 684-0 Project Engineer | 42 |
| John H. Hammer | 001-0 Manufacturing Operations Supervisor | 41 |
| Doris R. Harris | 979-4 Quality Assurance | 26½ |
| Betty A. Jones | 104-9 Executive Secretary | 30½ |
| Fred J. Kennie | 110-1 Contract Administrator | 30 |
| James C. Leisure | 835-3 Materials Release Analyst | 36 |
| Olna D. McGraw | 049-0 Manufacturing Operations Supervisor | 41 |
| Benj. O. Roodhouse, Jr. | 617-0 Senior Engineer | 22 |
| John M. Sawicki | 658-0 Senior Engineer | 31½ |
| Victor J. Schack | 664-0 Engineering Specialist | 41 |
| George R. Simpson | 046-0 Aircraft Assembler | 41 |
| Daniel R. Springer | 193-1 Senior Accounting Specialist | 21 |
| Marion H. Thrasher | 001-0 Group Leader | 35 |
| Dewain F. Winters | 454-0 Tool Processor — Tool & Die | 38 |

Great Talent Search Produces More Winners

During the week of September 10, nine Convair employees received merchandise awards for their Great Talent Search referrals. This is a record for the most awards given in any one week. The winners were Jim Ball, Joe Bowen, Linda Burrell, R. C. Good, M. Hurley, R. E. Johnston, O. R. Morton, and I. Rief. You still have time to submit referrals and be eligible to win the award for the most qualified referrals hired during the GTS program.

Hunter, Benirschke to Speak at NMACC Meeting

Congressman Duncan Hunter and San Diego Chargers' kicker Rolf Benirschke will speak at this month's NMACC dinner meeting, Thursday, October 21, at the Sheraton Harbor Island Hotel. The no-host cocktail hour begins at 5 p.m. A personal computer and a trip for two to San Francisco are among the prizes to be awarded in the Scholarship Drawing. Tickets for the dinner are \$9.50 for members and their spouses and \$13.50 for nonmembers. You can get your tickets now from an NMACC booster.

Here Are the Latest Course Offerings from NMACC

The Value of Touching. This one-session seminar will be presented by Dr. James Hardison, Wednesday, October 20. The course will be held in the Program Development conference room at Kearny Mesa (building 1, second floor) from 4:30 to 6 p.m. Registration is \$2 for members and \$3.50 for nonmembers. Call Sue Fontaine, KM 1710, to register.

Effective Money Management. Joe Appolito will teach this three-session course on three consecutive Thursdays beginning October 21. The course will be held in the think tank conference room at Kearny Mesa (building 26) from 4:30 to 6 p.m. Registration is \$2 for members and \$3.50 for nonmembers. Call Sue Fontaine, KM 1710, to register.

Effective Executive. The four-week class will begin Wednesday, October 20, in the FAC conference room at Lindbergh Field (building 1, mezzanine floor, column J9). The course will be held from 4:30 to 6:30 p.m. The cost is \$10 for NMACC members (refundable upon successful completion) and \$15 for nonmembers. Steve Birmingham will be the facilitator. Register for the class with Chris Yates at KM 3096 or Julie Kent at LF 8311.

Space Available for San Felipe Trip

Some seats still remain for the weekend trip to San Felipe, Mexico, November 5 through 7. The three-day trip is \$125 per person with a \$25 deposit. Call Bill Kramer, KM 2855, by Wednesday, October 20, to make your reservation.

From the CRA

Free Lunch Hour Lectures Start This Week. Topics of this week's lecture series include:

Monday: "Dealing with Divorce"

Tuesday: "Retirement as a Growth Opportunity"

Wednesday: "Families — Comfort or Conflict"

Thursday: "Substance Abuse, Parents and Kids"

All lectures will be held in conference room A of building 5 at KM from noon to 12:40 p.m.

Noon Movie: 'Bicycle Safety'

"Bicycle Safety" is an informative film for both bicycle riders and automobile drivers. It's all about sharing our roadways. The film will be shown at Kearny Mesa on Wednesday in classroom 3 of building 17 at 11 a.m. and noon. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending October 8, 1982, employment was 9,182.

CONVAIR Weekly Log

October 25, 1982

Published by the Convair Division of General Dynamics

Quality Awareness

EXCEL: What's It All About?

EXCEL is about people. It's about Convair employees. It's about recognition for a job well done.

EXCEL is an employee recognition program that has been in existence here at Convair since 1973. Over 3,300 employees have been recognized for achievements above and beyond normal job requirements. The program is designed to promote pride and to improve the morale of Convair employees by recognizing exceptional achievements in areas such as productivity, craftsmanship, professionalism, team building, and quality. EXCEL is also designed to motivate employees to use their talents and to improve performance.

An EXCEL nomination can be made by any supervisor who wants to recognize an individual or group for outstanding contributions to Convair. EXCEL recipients receive an award signed by their supervisor and member of the division staff. They also receive a gift selected from a special catalog.

Members of the EXCEL working group, who organize and operate the program, are:

| Department | Member | Extension |
|-------------------------------------|----------------|-----------|
| Contracts & Estimating | Julie Medley | 6374 |
| Finance | Jake Ibarra | 4632 |
| Industrial Relations | Michele Tamayo | 2256 |
| Integrated Logistic Support | Roy Sommers | 1496 |
| Operations | | |
| Avionics | Joel Selber | 2116 |
| Fabrication Processing & Composites | Bill Walker | 8048 |
| Manufacturing Control | Ron Thomas | 8303 |
| Industrial Engineering | Earl Cantrell | 5770 |
| Manufacturing Engineering | Buzz Prettyman | 5633 |
| Plant Services | Lance Elmstrom | 1618 |
| Procurement | Inez Markel | 8252 |
| Quality Assurance | Larry Harter | 1521 |
| Research & Engineering | Sara Boehmer | 2705 |
| DSD-WC | Dick Knudson | 6141 |
| Space Programs | Jack Walk | 1671 |
| Program Development | Bud Smith | 2823 |

EXCEL — Pride Makes the Difference!

Making a Difference



Peter Lennon, legislative assistant to Sen. Carl Levin (D-Mich.), and Capt. Del Ritchart, USN, Office of Legislative Affairs.

Legislative Assistant Lennon Visits Convair

Peter Lennon visited Convair on October 19 for cruise missile briefings and a factory tour. Lennon is legislative assistant for defense policy to Sen. Carl Levin (D-Michigan), a member of the Senate Armed Services Committee. Capt. Del Ritchart, USN, Office of Legislative Affairs, accompanied Lennon on his visit. Jack Schwall also attended the briefings as a representative of the corporate office.



Progress Report: Lindbergh Field Construction

Construction of the building 1 addition at Lindbergh Field is progressing on schedule (see photo above). The 338,000-square-foot structure will be ready for occupancy next February. Thanks to all employees for being aware of safety around the construction site and for observing the posted "hard hat" areas. This cooperation aids our safety program and also helps maintain the construction schedule.

FLIP

Update on 'No Shortcut to Perfection'

Principal photography has been completed for "No Shortcut to Perfection," the new cruise missile film. Now the film is in the editing room, and the process of carefully putting it together will begin. Additional scenes may be needed, which means that the crew might be out in the plant again in a week or two.

The film crew thanks everyone who has helped to make the filming such a smooth operation. It's because of your support and cooperation that the film will be completed on schedule and under budget. Watch for information about the release later in November.

Interpersonal Skills Program Praised

"Improving Performance Through Interpersonal Skills," a course for supervisors sponsored by Educational Services, is off to an excellent start. Over 100 supervisors have completed the two-day course, and early follow-up indicates that over 85% of the participants have applied those skills they learned in the class to their work settings. Supervisors have reported an increased ability to analyze performance problems and to communicate with their employees about work expectations. In all, 750 management personnel will participate in the program. Later phases of the performance management training program will include performance appraisal and employee development.

A Reminder about Injuries on the Job

- If you become injured on the job, tell your supervisor and then immediately report to Central Medical.
- If you need medical assistance on a weekend or in the evening, call 296-1290 — a 24-hour, 7-days-a-week number.
- You should have in your possession at all times the wallet-size yellow card with the 7/24 telephone number. This card is provided to all employees and can be obtained at Central Medical or the Fire Department.
- Remember: call 296-1290 only if your injury is work-related; otherwise, contact your private physician.

CPR Classes Scheduled

The next two certifying classes in cardiopulmonary resuscitation (CPR) training, for employees and their families or friends, have been scheduled for November 10 and 11 (class 1) and November 16 and 17 (class 2). Each class consists of two 4-hour meetings from 5 to 9

p.m. in the KM cafeteria. Refreshments will be provided by the NMA Convair Chapter. Reservations are required. Please call KM 1510, the 24-hour number at the KM fire station, to indicate the class dates you want.

October CPR Reminder: If you have registered for this month's CPR class, remember that the group will meet October 27 and 28 at 5 p.m. in the KM cafeteria.

From the Health-Fitness Center

Fitness Testing. These tests are designed to determine cardiovascular fitness, muscular strength and endurance, flexibility, and percent body fat. The profiles will be given on Thursday, November 4. The class is free to HFC members and \$10 for nonmembers. Please call HFC at KM 3567 for an appointment.

Fun Run. Fun Run Club will sponsor a "Halloween Costume Run" on Tuesday, October 26, at 4:30 p.m. in Missile Park. The most original costume will win a prize. A Fun Run membership is \$5 for the year (expires in June 1983).

Ski Fitness. Prepare for a season of fun on the slopes with exercise that will improve your agility, flexibility, strength, and muscular and cardiovascular endurance. The class begins November 9 for four weeks on Tuesdays and Thursdays from 4:30 to 5:30 p.m. in room A of the CRA clubhouse. It costs \$16 for HFC members and \$20 for nonmembers.

Property Pass Lets Material In or Out

Material removed from company property requires a property pass, which must be presented to the guard at any plant gate. Material coming into the plant, such as vendor hardware or demonstration equipment, also requires a property pass (category 5). Save yourself time; ask visitors in advance if they are going to bring in any material.

Please fill out the proper forms correctly and have them signed by an authorized person. For capital equipment, use Facilities Work Order (FWO) Form 5140. For details, see SP B-33 and Security Manual A-50 and A-51.

Noon Movie: 'Women Make the Difference'

At Kearny Mesa, showings will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending October 15, 1982, employment was 9,209.

Daylight Savings Time Ends This Weekend

Remember to set your clocks back one hour as of 2 a.m. on Sunday, October 31. The shift hours of employees reporting to work at 7 a.m. on Sunday, October 31, or any time after that, will conform to Pacific Standard Time.

CONVAIR Weekly Log

November 1, 1982

Published by the Convair Division of General Dynamics

**PAUL P. STANLEY**

Manufacturing Development Technician
Atlas/Centaur Final Assembly
Kearny Mesa Plant
40 years at Convair

"Quality is being a perfectionist and demanding the best from yourself and from those you work with."

Nothing Short of Right is Right!



Value Engineering Workshop a Success

Thirty students graduated on October 22 from the third Value Engineering Workshop to be held in 1982. Value engineering is a method of removing unnecessary cost by identifying a function and developing a method for performing that function at the lowest possible cost.

During the two-week workshop, participants from Engineering, Operations, Procurement, Quality Assur-

ance, Logistics, Estimating, and DCAS were organized into seven teams, each of which was given the assignment of applying value engineering techniques to a different Convair product. In his keynote address, Z. Henry Hyman, director of Engineering Business Management, challenged the students not only to meet the challenge of the training assignment but also to carry over the techniques learned into their jobs.

On the final day of the workshop, team members made presentations to an audience of Convair and DCAS management. Russ Babcock, director of Material, made a closing address and passed out the graduation certificates.



Jerry Butsko, GLCM program director; Gen. Chubb; Col. Don Couture, GLCM program manager, JCMPO; and Gen. Marsh during the tour of Convair facilities.

Gen. Marsh of AF Systems Command Visits Convair

Gen. Robert T. Marsh, Commander, Air Force Systems Command, visited Convair on October 22 for a GLCM program review and facilities tour. He was accompanied by Maj. Gen. Melvin E. Chubb, Jr., Deputy Commander of AFSC. Bill Dietz, vice president and program director, Cruise Missiles, was the division staff host.

'Fire to Space' — NASA Program on Centaur

NASA's Lewis Research Center has produced a television program for the Public Broadcasting Service on the history and future of Centaur. Portions of the program were filmed at Convair this summer. The program makes extensive use of our archive film on the early Centaur program.

The show will be aired on KPBS, Channel 15, at 6:30 p.m. on November 9, and again at 4 p.m. on Saturday, November 13.

New Area Code 619 Goes into Effect November 6

Effective Saturday, November 6, Southern California will get a new area code — 619. This will affect most of the present 714 area code, including all of San Diego and Imperial counties. Only Orange County and nearby

portions of Los Angeles, Riverside, and San Bernardino counties will retain the old 714 area code.

If you are unsure whether the city you are dialing is in the 619 or 714 area, refer to the city directory area code section or call the Convair operator for assistance. To make sure no calls are missed, Pacific Telephone will provide a three-month period of interchangeable dialing. Remember to update your automatic dialer and personal speed number lists.

Inplant Training for T&O Planning Offered

To meet the company's upcoming need for planners, Convair is offering all qualified employees the opportunity to apply for an inplant course in Tool & Operations Planning. Instruction will consist of classes during work hours (forty hours per week for six weeks), followed by on-the-job training. Interested applicants must attend one of the briefings listed below.

| November | 1st & 3rd Shift Employees | Time (p.m.) |
|----------|--------------------------------------|--------------|
| 1 | LF building 14 auditorium | 3:45 to 4:45 |
| 2 | KM main dining room | 3:45 to 4:45 |
| 3 | LF building 14 auditorium | 3:45 to 4:45 |
| 4 | KM main dining room | 3:45 to 4:45 |
| | 2nd & 3rd Shift Employees | |
| 3 | LF building 14 auditorium | 2:15 to 3:15 |
| 4 | KM main dining room | 2:15 to 3:15 |

For further information, call Educational Services (KM 2236 or LF 8564).



Employee Suggestion Award. Richard K. Bentler, Material Control (second from right), recently received a check for \$1,415 for his suggestion to make available to department clerks and secretaries a catalog of Convair-stocked standard commercial items. Bentler is pictured in the above photo (second from right) with P.J. Poehlman, manager, Material Operations; B.A. Harman, chief, Material Control; and R.N. Babcock, director, Material.

You Can Make A Difference on Our Utility Bill

Convair's total utility bill for September was \$1,168,001. Electricity cost \$1,022,577, natural gas \$116,629, and water \$28,795. Electricity alone amounts to \$128 for each employee. When Standard Time resumes on October 31, the most expensive period for electricity will be 5 to 9 p.m. Our monthly demand charge is applied during this on-peak period. Whenever possible, schedule electrical loads into the off-peak period — 9 p.m. to 10 a.m. Electricity is 35 percent cheaper during those hours.

NMA Convair Chapter Will Meet November 17

The ballroom of the Sheraton Harbor Island Hotel will be the location of the NMA Convair Chapter dinner meeting on Thursday, November 17. Carmen P. Milia, director of International Marketing, General Dynamics Land Systems Division, will be the featured speaker. The event begins with a social hour at 5:30 p.m. followed by dinner at 6:30 p.m. The meeting is sponsored by the Planning Department, and Dr. John Waszczak will be executive host. Tickets for members and spouses are \$8. Nonmembers may purchase tickets for \$13.50.

NMA Convair Chapter Course Offerings

Economic Outlook. This is a two-session seminar that will be held on November 10 and 17 from 4:45 to 6:15 p.m. in the K-square conference room in building 26 (second floor). The instructor is Dave Shean. To register, call Sue Fontaine, KM 1710, or mail your check for \$2 to MZ P2-2700. Make checks payable to NMACC.

Functional Coordination. This four-week course is designed to increase your knowledge of the basic functions of marketing, finance, manufacturing, engineering, and research. The class will begin on Tuesday, November 16, in the K-square conference room of building 26 (second floor, column J-26) at KM. The hours are 4:30 to 6:30 p.m. The cost is \$10 for NMACC members (refundable upon successful completion) and \$15 for nonmembers. The facilitator will be Hector Culver. Register by calling Chris Yates at KM 3096.

Tour San Diego Union-Tribune on November 15

A 90-minute tour of the Union-Tribune plant, sponsored by the NMA Convair Chapter, will start at 6 p.m. on Monday, November 15. The touring group, limited to 25 people, will see a film and one of the most modern newspaper plants in the U.S. For details and reservations, call Jan Lawrence at KM 1108 or 3324.

Employee Stores Sale

An employee stores sale will be held Saturday, November 6, from 8 a.m. to noon at the LF salvage yard. Such items as typewriters, file cabinets, desks, chairs, and building material will be for sale. Employees can bring one guest. No open toe shoes, pets, or children under 15 years are allowed at the sale.

From the Health-Fitness Center

Fitness Testing. Designed to determine cardiovascular fitness, muscular strength and endurance, flexibility, and percent body fat, fitness profiles will be held on Thursday, November 4. The testing is free to HFC members and \$10 for nonmembers. Please call KM 3567 for an appointment.

Noon Movie: 'Space Shuttle Flight Four'

This week's movie is a NASA-produced film about the debriefing of the fourth shuttle flight. At Kearny Mesa, showings will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending October 22, 1982, employment was 9,262.

CONVAIR Weekly Log

November 15, 1982

Published by the Convair Division of General Dynamics

**PHYLLIS PEREZ**

Manufacturing Systems Data Analyst
Manufacturing Control
Lindbergh Field Plant
31 years at Convair

"Quality means giving your very best. 'Nothing Short of Right Is Right' means doing the job right the first time and every time. If you're not going to do the job right, it's not worth doing."

Nothing Short of Right Is Right!



Service Award Breakfast. Honored at a breakfast on October 29 were employees who recently completed 35, 40, or 45 years of service. Each employee received a color photograph as a memento of the occasion. In the photo above, left to right: Dan Da Pra (staff), William Crover (35 years), Lewie Starkey (40), Juan Morales (35), Maurice Wolfe (35), Charles Brink (35), Heston Booker (35), Ed Squires (staff), Max Verduzco (35), Thomas Packer, Jr. (35), Harry Allison (35), Emil Franke (35), Dave Archibald (staff), John Gabriel (40), Harold McCaslin (staff), George Stockdale (35), William Schaefer (40), Richard Maving, Jr. (35).

STS-5 Launched from Kennedy Space Center

Space Shuttle *Columbia*, its midfuselage fabricated by Convair in 1977, was successfully launched from Cape Canaveral on November 11. This was the fifth shuttle launch and the first operational mission in the shuttle program. The *Columbia* carried two commercial communication satellites on board. Landing is scheduled for Edwards AFB on Tuesday, November 16.

Efforts are now under way to obtain congressional and administration approval for NASA to proceed with production of another orbiter vehicle in 1983. Discussions are currently being held among NASA, Rockwell, and the subcontractors (including General Dynamics) to formulate plans and resource requirements for the fifth orbiter in the shuttle fleet.



Karl Kachigan (left). Honored by NASA for "exceptional contributions to the NASA expendable launch vehicle program." Daniel J. Sarokon (right). Honored by NASA for "exceptional management and leadership of the Atlas/Centaur and Titan/Centaur Operations crew."

Convair Men Honored by NASA at Awards Ceremony

Karl Kachigan, director of Space Engineering, and Daniel J. Sarokon, Eastern Test Range base manager, were awarded Public Service Medals by NASA Lewis Research Center at the annual Honor Awards Ceremony in Cleveland on November 4. Such awards to non-NASA personnel are rare and constitute a true honor for outstanding contributions to NASA space programs. Both men expressed thanks to all Convair Space Program personnel whose contribution to the extraordinary success of Centaur made these awards possible. Congratulations!

They Retired in November

Thanks and best wishes go to each Convair employee who retired as of November 1.

| Name | Department | Years of Service |
|-----------------------|---------------------------------|------------------|
| Pleasant W. Byrd | 031-0 Field test mechanic—CM | 34½ |
| Robert A. Close | 672-0 Engineering specialist | 32 |
| Oscar A. Martinez | 031-0 Special proj mechanic—A | 13 |
| Refugio R. Parga, Jr. | 038-0 Operations representative | 41½ |
| John Prunty | 640-0 Program engineer chief | 21 |
| Glenn D. Sanders | 809-0 Procurement specialist | 32 |
| Wilson M. Smith | 131-6 Guard | 26½ |

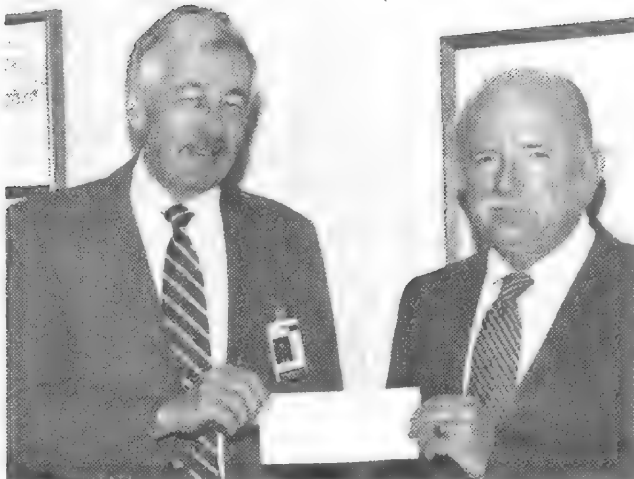
FLIP



The Professional Enhancement Program (PEP) has been developed to assist employees in furthering their personal and professional growth goals. PEP will provide Convair employees the opportunity to nominate themselves for announced salaried positions within the division. See next week's Weekly Log for complete information regarding PEP.



Ray Walling, Boeing 767 Strut, recently won an employee suggestion award of \$860 for a faster drill method in midspar assembly. Presenting the award is Lou Imbimbo, superintendent (left), and Harry Gaugh, Operations general supervisor.



Patent Award Goes to Cruise Missile Engineer. Bob Lynch (right), Cruise Missile Engineering, receives patent application award check from Seth Aldridge, Cruise Missiles, chief engineer. Lynch's patent is for the invention of a combined rocket motor warhead.

Education Note

All General Dynamics employees who wish to enroll and register for Convair inplant courses before the start of the spring 1983 semester may do so at the following times and locations.

LF plant — building 2, classroom 2-1, Monday, November 15, from 2 to 5 p.m.

KM plant — building 2, lobby, Tuesday, November 16, from 2 to 5 p.m.

The spring semester starts Monday, January 10, 1983. For additional information, call Educational Services at LF 8564 or KM 2236.

Make Stock/Savings Changes in November

November is the month for you to join (if you have one year of service) or to change options or percentage of deduction in the savings and stock plan. If you now have one year of service with General Dynamics and have not been contacted about the plan, call Employee Benefits at KM 2559 for signup information or clarification of your eligibility. It's especially important to do so if you were hired during the last several months and have previous General Dynamics experience. Detailed plan information and enrollment and change forms are available at Employee Benefits.

The Tank Is Coming!

A General Dynamics M60 Main Battle Tank will arrive at the Sheraton Harbor Island Hotel in time for the November 17 NMA Convair Chapter dinner meeting. Don't miss this rare opportunity to see a product from our new Land Systems Division.

The evening gets under way at 5:30 with the no-host cocktail social hour. Dinner tickets are \$8 for members and spouses and \$13.50 for nonmembers. The Planning Department is sponsoring the evening; Dr. John Waszczak is executive host.

Reserve Early for NMACC Christmas Party

The date for the NMA Convair Chapter's Christmas party has been set for December 17. Mark your calendars and make your reservations early for "A Party Within a Party," to be held Friday evening, December 17 at the Grand Ballroom of the Hotel del Coronado. See your NMACC booster for reservations.

Union-Tribune Tour Reminder

All those going on the NMA Convair Chapter-sponsored tour of the Union-Tribune facilities should meet tonight (Monday, November 15) at 5:45 p.m. in the lobby of the Union-Tribune Building.

Notice to Ladki Car Rental Customers

Ladki International Rent-A-Car, Convair's alternate source for rental vehicles, has changed operating hours at the retail location at 929 West Laurel Street. New hours are 7:30 a.m. to 6 p.m., Monday through Friday, and 8 a.m. to 5 p.m., Saturday and Sunday. Ladki's telephone number is 233-9333.

From the Health-Fitness Center

Slimmercize. This ongoing exercise program combines stretching techniques and floor exercise to music. The class meets on Mondays, Wednesdays, and Fridays in room A at the CRA clubhouse. The hours are from 4:30 to 5:30 p.m. Cost is \$20 for HFC members and \$25 for nonmembers for five weeks of classes. Bonus: pay for 10 weeks and get five weeks free.

Noon Movie: 'Winter in Ontario'

At Kearny Mesa, showings of this week's movie will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending November 5, employment was 9,318.

CONVAIR Weekly Log

November 22, 1982

Published by the Convair Division of General Dynamics

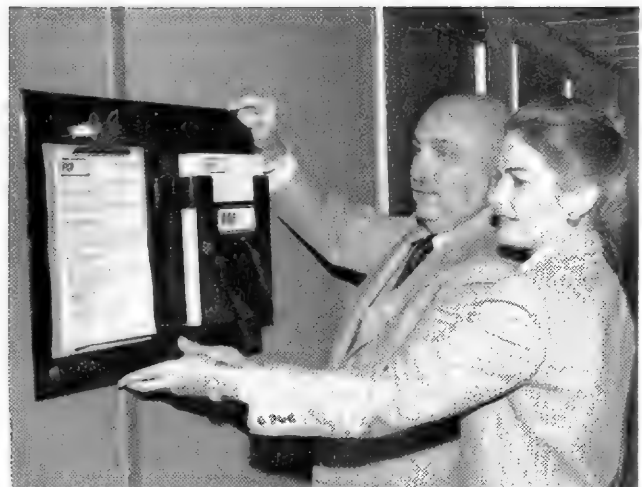
Good employees, properly placed, trained, and effectively supervised, are General Dynamics' fastest growing asset.



Introducing . . . Professional Enhancement Program

Our work force here at Convair has grown from approximately 8,200 at the end of 1981 to approximately 9,300 as we enter December 1982. This continuing growth offers abundant opportunity for the placement of employees who have developed personal and professional growth goals. To meet the challenge of this opportunity, the Professional Staffing group has developed PEP — the Professional Enhancement Program — which provides for self-nomination by employees eager to identify themselves as candidates for salaried positions. Here are highlights of the program.

- Convair salaried positions for which candidates are being sought will be announced in a PEP bulletin published by Industrial Relations.
- Normally, new PEP bulletins will be issued each Monday on PEP bulletin boards at the following locations.
 - KM—building 26, ground floor central vending area
 - KM—building 4, library entrance
 - KM—main dining room, inside west entrance
 - LF—building 5, second floor lunchroom
 - LF—building 4, south end of mezzanine vending area
 - LF—building 8, near ground floor vending area
 - Plant 19—building 2, main vending area
 - Seville Plaza
 - Mission Plaza
- PEP applications are available at all PEP bulletin board locations. To ensure proper consideration, applications should be received by PEP within 10 calendar days of the PEP bulletin date.
- Any Convair Division employee who has held his or her current classification for at least one year and who meets the education and experience requirements of the announced position may apply.
- An employee may apply for an announced position without prior supervisory approval. The supervisor will be contacted if an interview with the employee is to be scheduled.
- Each employee may have as many as two applications active at any one time and may submit up to five applications per year. A separate, completed application must be submitted for each position sought.
- Other candidates will be evaluated concurrently with PEP candidates.
- Each applicant will receive a response to his or her application.
- Employees are encouraged to apply for positions that are consistent with their career goals and for which they feel qualified, rather than indiscriminately applying for various positions in hopes of being selected for one.



Placing the first PEP bulletin board are Lee Kelley, Professional Staffing administrator, and Danna d'Artenay, PEP administrator.

Questions about PEP may be directed to your supervisor or to the PEP office, KM 6128.



Another Successful GLCM Flight Test

The ground-launched cruise missile (GLCM) continued its successful flight test program on November 12 with the flawless launch and flight of T75:1 at Dugway Proving Grounds in Utah. The missile flew the full one-hour, 45-minute flight, accomplishing all mission objectives. The missile made one target pass and was then recovered to be returned to Convair for refurbishment and later use.

Among the major objectives of this test were guidance accuracy and warhead arming functions. This launch was the third in the Air Force phase of the test program and the sixth overall. GLCM has now been successful in five of six launches, with the sixth launch rated as a partial success. Congratulations to the entire GLCM team.

Great Talent Search Comes to a Close

On December 10, the Great Talent Search will come to a close. In addition to the Emerald award for individual hires, special recognition merchandise awards have been established for the following categories: (1) a drawing among referrers with ten or more qualified referrals, (2) most referrals for the eligible positions group, and (3) most hires in the eligible positions group. The cutoff date for determining the winners of these three categories will be December 10. Winners will be presented with their merchandise award certificates on December 17.

THE GREAT TALENT SEARCH



You still have time to keep searching for great talent. Professional Staffing is currently looking for engineers in Structures, Avionics, Manufacturing, Operations Research, and Test & Evaluation.

NASA Awards Go to Convair Employees

John R. Rausch and John W. Maloney were recently presented with certificates of recognition and checks for \$100 from NASA for a new technology submission. Their innovation involved a deployable aerodynamic lifting brake for space vehicles and hypersonic reentry vehicles. Congratulations!

'Discussions for Learning' Course Offered

This course will provide practical exercises in leading group discussions. The class lasts for six weeks beginning Tuesday, December 7. It will be held in the FAC conference room of building 1 (mezzanine, column J-8) at Lindbergh Field from 4:30 to 6:30 p.m. The cost is \$10 for NMA Convair Chapter members (refundable upon successful completion) and \$15 for nonmembers. The facilitator will be Frank Glenski. Register with Chris Yates at KM 3096 or Jim Denzien at KM 3108.

Utility Bills — You Can Make a Difference

Our total utilities bill for October was \$1,128,135. Electricity cost \$970,689, natural gas \$123,138, and water \$34,308. The heating season has started. You can help conserve heat by closing doors and windows when the heat is on. If you are too hot, turn off the heat or call Maintenance Dispatch at 8575 (for Lindbergh Field locations) or 8601 (for Kearny Mesa locations). Reminder: the 8601 number is for heat problems only, not for office equipment calls.

From the Health-Fitness Center

Fun Run Club. The next fun run will be Tuesday, November 30, at 4:30 p.m. in Missile Park. The club offers pre-run lectures and stretching, post-run refreshments, and a barbecue at the end of the series. The cost is \$5 for the year ending June 1983. For more information, call the Health-Fitness Center at KM 3567.

No Movie This Week

Because of the Thanksgiving holiday, there will be no movie this week. Next week's movie will be "Bermuda Secret." At Kearny Mesa, showings will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending November 12, employment was 9,381.

*Because of the Thanksgiving holiday,
there will be no "Weekly Log" on Monday, November 29.*

Happy Thanksgiving!

CONVAIR Weekly Log

December 6, 1982

Published by the Convair Division of General Dynamics

Quality Awareness



Fred Fortaliza, Ben Wesson, and Frank Lopez receive congratulations from Gene Butler, Operations general supervisor for Composites, on their attendance records.

EXCEL Recognizes Perfect Attendance

Good attendance can make a difference in the quality, efficiency, and productivity of an organization. Many Convair employees take pride in their attendance records. Frank Lopez, Ben Wesson, and Fred Fortaliza recently received EXCEL awards for their impressive attendance records. Supervisors can recognize this kind of effort by awarding the EXCEL Perfect Attendance Award. See your area EXCEL coordinator for details. Congratulations to all employees who uphold high work standards and maintain perfect attendance.

Nominations Open for General Manager's Award

Each year the EXCEL committee aids in selecting the General Manager's Award for Convair Employee of the Year. All members of supervision may nominate employees for this award — the highest in the division. Some nomination considerations: exhibiting extraordinary leadership qualities, displaying noteworthy innovation and creativity, reducing costs significantly, and making outstanding quality improvements. Recipients of EXCEL citations are automatically considered for the award.

Nomination deadline for the 1982 award is December 17. If you have any questions, call Michele Tamayo at KM 2256.

Making a Difference

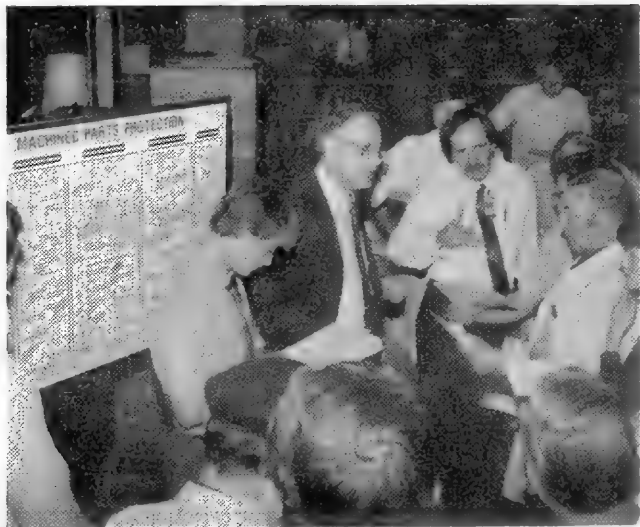
Tomahawk Scores Target Hit

Another Tomahawk was successfully launched and flight tested on Friday, December 3. Missile T104 was launched from the submarine USS *Guitarro*. It performed a conventional land-attack mission over the inland test route to the Tonopah test range and achieved target impact. This was the first of two flights in the development test program of the Tomahawk land-attack conventional missile.

Savings and Stock Plan Values for October

| | 1980 | 1981 | 1982 |
|-----------------------|------------|-----------|-----------|
| Salaried | | | |
| Government Bonds | \$ 2.4364 | \$ 2.7293 | \$ 3.2826 |
| Diversified Portfolio | 2.0053 | 2.0562 | 2.4013 |
| Fixed Income | 1.1354 | 1.2607 | 1.4043 |
| Hourly | | | |
| Government Bonds | 2.4342 | 2.7269 | 3.2806 |
| Diversified Portfolio | 2.0454 | 2.0998 | 2.4517 |
| GD Stock | \$32.9375* | \$26.5600 | \$32.7500 |

*Reflects 2-for-1 stock split of November 1980.



Left to right: Steve Lake, Dennis McColl, Bill Duggan, Tom Parmarter, Henry Naish, and Lauralie Webber.

New Posters for Material Handling

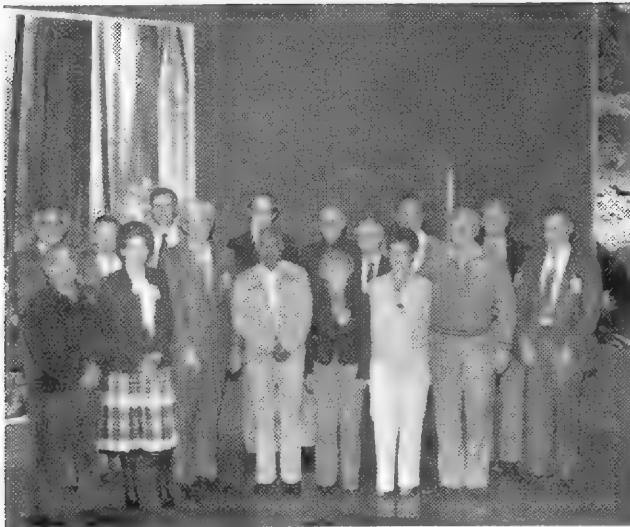
It is possible you might soon be seeing a visual aid like the one in the photo above. Designed by Industrial Engineering Material Handling and prepared by Technical Publications, these posters have been tailored to particular material handling needs. The visual aid shown is for machined parts protection. Following these procedures will help to ensure a quality job.

And the Grand Prize Winner Is . . .

The Great Talent Search grand prize — a merchandise award from the Diamond Catalog — is still up for grabs. You may be eligible if your referrals have resulted in the most hires. Currently, that magic number is four. If your qualified referrals resulting in hires have been on the payroll for 90 days by December 10, you will be eligible for this top award.

You may also be eligible for a merchandise award from the Ruby Catalog if you are the employee with the most qualified referrals (applications returned). And another award will be made from the Sapphire Catalog in a drawing of the employees who have submitted ten or more qualified referrals.

It is even possible that you may be the winner of all three awards. Remember, the deadline for referrals and hires to make you eligible is December 10. Don't delay. Contact Professional Staffing (KM 6331) for complete program rules, positions listed, and location of the referral cards and drop boxes. Winners will be announced on December 17.



Convair employees who have completed 35, 40, or 45 years of service were honored at a breakfast November 19. Front (left to right): David Salvatierra (35 years), Ruth H. Stockton (35), James DeHope (40), Samuel Montoya (35), Roma L. Knapp (35), Violet Hodges (35), Ed Quinn (35), and Dave Archibald (staff). Back (left to right): Dan Da Pra (staff), Lester Marr (35 years), Ed Squires (staff), Phil Poehlman (staff), Merle Wood (35), Larry Hayes (staff), Fredric Shepard (40), and Robert Handley (40).

CRA Sponsors Special Holiday Event

Celebrate the holiday season with a special presentation at the Reuben H. Fleet Space Theater. On Sunday, December 19, at 6:15 p.m., a showing will feature "Star of the King," "Holiday Dream," and "Nomads of the Deep." This showing will be for General Dynamics employees only and their families. Tickets will be \$1.25 (regularly \$2.25). You can get your tickets at the CRA sales offices.

Matching Gifts Program

In the matching gifts program, a General Dynamics employee contributes to the college or university of his or her choice and the gift is matched by a contribution from General Dynamics Corporation. The total contribution to date for the third quarter of 1982 at Convair is \$24,474. This represents an increase over the same period last year. Response to the matching gifts program has been good, and we look forward to increased participation in the future.

Point Loma Credit Union Reminder

If you are going on vacation and will miss any paydays, remember that your automatic transfers from one credit union account to another will still take place, if there are sufficient funds in your account to make the transfer. If you don't want the money transferred while you're not getting paid, please call the credit union accounting department at 226-1600 and ask them to stop the transfer. When you want the transfers to start again, just give them another call.

Pre-Retirement Seminar Scheduled

A pre-retirement planning seminar will be held on Thursday, December 9, in the K-square conference room in building 26, second floor. The seminar will take place from 4:45 to 6 p.m. The instructor for this NMA Convair Chapter-sponsored seminar is Art Peschel. To register, please call Sue Fontaine at KM 1710.

NMA Convair Chapter Sponsors Course

"Discussions for Learning" is a six-week class that begins Tuesday, December 7. It will be held in the FAC conference room in building 1 (mezzanine, column J-8) at Lindbergh Field. The hours are 4:30 to 6:30 p.m. The cost is \$10 for NMACC members (refundable upon successful completion) and \$15 for nonmembers. Enrollment is limited to 20. Frank Glenski will be the facilitator. You can register with Chris Yates at KM 3096 or Jim Denzien at KM 3108.

1983 Prescription Drug I.D. Cards

Your 1983 prescription drug plan identification cards will be mailed to your home this month. The window envelope will note "open upon receipt — priority mail" in red. This card can be used at any participating pharmacy. Please carry it with you at all times. In the same envelope, you will also receive a postage-paid postcard to verify your dependent eligibility for health plan coverage. Please follow the instruction enclosed with the postcard and return it no later than January 3.

Note: This is a good time to make sure your paycheck reflects your correct address. If it does not, address change cards are available at Employee Benefits.

This Week's Movie Is 'Destination: Vermont'

At Kearny Mesa, showings will be at 11 a.m. and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending November 26, employment was 9,458.

CONVAIR Weekly Log

December 13, 1982

Published by the Convair Division of General Dynamics



KAY LOEPER

I.D. Painter
Dept. 733
Kearny Mesa Plant
4 years at Convair

"Quality means taking the time to do the best possible job, because the quality of my work is more important than the quantity of my work."

"'Nothing Short of Right Is Right' means having the right attitude and proper equipment to do the best possible job without compromise."

Nothing Short of Right Is Right!

Special Bonus for General Dynamics Employees

General Dynamics has contracted with a group vision program to provide a Christmas bonus for all employees. This special bonus includes a professional eye examination for \$8, as well as a discount on contact lenses and eyeglasses. Get your coupon in the Employee Benefits offices at KM and LF. Even if you do not have a coupon, you can show your General Dynamics employee badge for you and your family members. The offer was effective December 1 and will expire January 23, 1983. Appointments must be made before January 23. Call LF 8186 for information.



Harry Shidner (middle) is the happy recipient of a \$1,895 Employee Suggestion Award for his idea to use bleeder A10-3 material for a composite mold in place of a more expensive fiberglass material. Larry Poole (left) and Gene Butler (right) add their congratulations.



Mac Lee (second from left) receives a \$1,892 Employee Suggestion Award from Darrell Parsons, manager of Scheduling (left). Jim Schreffler, chief of Scheduling, and Dave Cormany, director of Industrial Engineering & Scheduling, are also pictured. Lee, a MRASM program control analyst, received the award for his labor-saving suggestion leading to automatic generation of graphic displays of Task Status Report data.

Employee Suggestion Award

Bob Black of Flight Test Operations was recently awarded \$969 for his suggestion on an economical way to obtain furniture for the GLCM test team offices at Dugway Proving Grounds in Utah. Black was not available for a photo because he is assigned to the GLCM environmental test team at Aberdeen, Maryland.

CRA Sponsors Holiday Events

Reuben H. Fleet Space Theater. Celebrate the holiday season with this special offer. CRA will have a limited supply of tickets for a holiday presentation at the Reuben H. Fleet Space Theater on Sunday, December 19, at 6:15 p.m. This very special holiday showing will feature "Star of the King," "Holiday Dream," and "Nomads of the Deep." This showing will be available only for General Dynamics employees and their families. Tickets are \$1.50 (regularly \$4) and may be purchased at the CRA sales offices.

Snow World Night at Sea World. Come and play at "Snow World," a Christmas tradition at Sea World. On Friday, December 17, from 7:30 to 11:30 p.m., 900 tons of artificial snow will create instant winter for you to enjoy. You can also see the killer whale show and the seal and otter show, visit with Santa Claus, take a free ride on the skytower, and more. Buy your tickets from CRA sales offices. All tickets are \$5 per person, adult or child (under three years old free).

From the Health-Fitness Center

The Health-Fitness Center has announced its 1983 Shape-Up staff.

| | |
|---------------|------------------|
| Nat Cohen | Jane Beatty |
| Kathy Green | Bill Tamen |
| Mike Hosking | Hank Nulton |
| Barbara Rude | Marilyn Bosworth |
| Ira Larson | Joe Musco |
| Ray Eichmann | Don Shoff |
| Frank Heitman | Evelyn Carlson |
| Tozz Pegues | Carl Tatina |

From everyone at the Health-Fitness Center, good luck and congratulations on your appointment to the staff.

Free Film Festival. The Health-Fitness Center will present a three-part film festival from December 13 through December 15. The topics are:

Monday: "Taking It In Stride: Positive Approaches to Stress Management"

Tuesday: "To Your Heart's Content: Positive Approaches to Fitness"

Wednesday: "Health and Lifestyle"

Films may be viewed from 12:15-12:45 p.m. in Motion Pictures & TV, downstairs in building 4.

SAFETY

SPOTLIGHT



"I feel much safer working in an office than I did in the factory!"

Accidents can happen in offices as well as in factory areas. Heed safety rules, pay attention, and look out for the other guy!

CRA Travel offers Luxury Cruise

You sail from Los Angeles aboard the S.S. *Azure Seas* Friday, February 18, spend Saturday evening in Ensenada (the ship is your hotel), and return on Monday, February 21. The cost is approximately \$350 to \$475 per person, depending on the type of cabin you select. December 20 is the deadline for reservations. Call Bud Davies at CRA Travel (278-1178) or Chuck Taylor at LF 3819.

Noon Movie: "Gift of Harvest"

At Kearny Mesa, showings of this week's movie will be at 11 a.m., and noon on Wednesday in classroom 3 of building 17. At Lindbergh Field, showings will be on Thursday in the building 5 auditorium at 11 a.m., noon, and 7:30 p.m.

Employment

For the week ending December 3, employment was 9,480.

CONVAIR Weekly Log

December 20, 1982

Published by the Convair Division of General Dynamics



1982

General Dynamics Convair Division on the Move

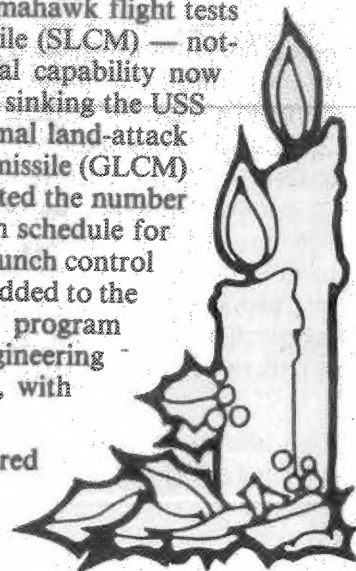
This issue of the Convair *Weekly Log* reflects on the year 1982 — a year during which the division faced serious challenges and also accomplished some significant milestones.

Quality and Productivity Improvement. In June, Defense Contract Administration Services (DCAS) served notice (Method D) that we needed to take immediate steps to correct the quality and productivity of our Cruise Missiles product line. With the full support of General Dynamics, corporatewide resources were made available to assist the Convair team in correcting this deficiency. Numerous programs and activities were initiated to respond to our customer's charge. Many of these activities are complete, and others are continuing as required. As this *Weekly Log* goes to press, many individuals are preparing for the customer's final review of our progress. We are confident that the efforts of all who have contributed to our renewed commitment to quality will demonstrate our improved performance to DCAS.

Space Programs — Securing a Place in Space for Convair. 1982 has been a vitally important year for the Space Programs product line. Strong congressional support resulted in the restoration of the Shuttle/Centaur program in July. Current plans include two NASA launches of Shuttle/Centaur in 1986 for the Galileo and Solar Polar planetary missions. With Centaur firmly established as the high-energy upper stage for Shuttle, other applications will rapidly develop. The success record of Atlas/Centaur as a reliable launch vehicle for the larger communications satellites was enhanced by two more flawless launches of Intelsat V spacecraft 4 and 5. This brings the total number of INTELSAT flights to 17 and the total number of Atlas/Centaur launches in the past 20 years to 60. One more Intelsat V flight is planned in early 1983. In late 1983, we will begin launching a series of the heavier Intelsat VA on the new Atlas G, which is stretched 81 inches to increase performance over Atlas D/Centaur. This will be followed by three more military communications satellites, continuing our Atlas/Centaur launches through 1987. General Dynamics is actively pursuing the commercialization of Atlas/Centaur in answer to growth in the communications satellite industry. Convair was recently awarded one of NASA's space station requirements studies and a related orbital transfer vehicle servicing study. Coupled with the evolutionary growth of Centaur and the continued use of the Atlas launch vehicle, these activities will ensure an important place in space for Convair.

Cruise Missiles — Answering the Nation's Defense Needs. In 1982, 18 Tomahawk flight tests were conducted, bringing the total number to 96. The sea-launched cruise missile (SLCM) — notwithstanding development problems — has made progress toward operational capability now scheduled for late 1983. During the year, Tomahawk scored a live warhead hit, sinking the USS *Augerholm* after flying 115 miles. The year ended with a successful conventional land-attack mission and target hit at the Tonopah Test Range. The ground-launched cruise missile (GLCM) flew five successful test missions in 1982. The GLCM program has been designated the number one cruise missile priority by the Joint Cruise Missiles Program Office and is on schedule for deployment in late 1983. Seven transporter-erector-launchers (TELs) and three launch control centers (LCCs) were delivered to the Air Force in 1982. Another dimension was added to the Tomahawk program this year when the SSN vertical launch system (VLS) program achieved its first launch from an underwater platform. Finally, full-scale engineering development continues on the medium-range air-to-surface missile (MRASM), with contract approval for five flight vehicles.

Aircraft Programs Support Commercial and Military Aviation. Convair delivered nine fuselages to McDonnell Douglas in 1982. Of these, seven were for KC-10 aircraft for the Air Force, and two were for commercial DC-10s. The Air Force is pleased with the tanker and cargo-carrying capability of the KC-10 and is



planning to buy an additional 44 units. We delivered 40 shipsets (80 engine struts) for the Boeing 767 in 1982, and we plan to deliver 36 shipsets (72 struts) in 1983. We have established firm deliveries through 1990 for 3½ shipsets (7 struts) per month — our current rate of production.

Energy Systems — New Opportunities for Convair Division. Convair has captured 63% of the available large superconducting magnet business in the United States. Our first superconducting magnet has been operating continuously since September 1981. The 47-ton superconducting magnet for the Oak Ridge National Laboratory large coil program was completely wound by November 1982, including installation of 262 sensors. Two development magnets for the Elmo Bumpy Torus program were completed this year, and one was delivered to ORNL for testing. The yin-yang magnets (world's largest magnets), designed by General Dynamics and built by Lawrence Livermore Laboratory, were operated satisfactorily in March 1982. The first two solenoids for the mirror fusion test facility at LLNL were completely wound by November 1982. The two winding lines will complete the remaining 12 solenoids by August 1983. Convair is also designing five new coils for this program. Finally, Convair is participating in an important study to conceive and define the first-generation mirror fusion reactor power plant. This is an important step in our plan to increase our subsystems scope in fusion beyond magnets.

Facilities Improvements Will Enhance Division Operating Efficiency. 1982 has seen the beginning of a number of major facility improvements. At the Lindbergh Field plant, several old and obsolete buildings were removed to make way for a 418,500-square-foot addition to building 1. Building 75 is being expanded to provide a new detail paint facility, and building 4 has had two new mezzanines built to provide additional area for warehouse consolidation. When all construction is completed in 1983, Lindbergh Field will be established as the division's fabrication center and consolidated warehouse. At Kearny Mesa, construction is under way on a new engineering office building that will provide additional space for the relocation of engineering functions. That construction is scheduled to be completed in July 1983. Construction is complete on the expansion of Avionics laboratories in building 4.

Spacecraft Maneuver Module Test Concludes Successful Year. As a fitting conclusion to a successful 1982 at Convair, the spacecraft maneuver module completed its test program with a full-duration demonstration firing at the Air Force Rocket Propulsion Laboratory on December 7. The firing was a simulation of a multiburn transfer of a spacecraft from low earth orbit to geostationary orbit. This demonstration was the culmination of a one-year effort in which a prototype system was designed, built, and tested as part of a company-sponsored IRAD program.

**The new year gives us the opportunity to renew our commitment
to "Nothing Short of Right Is Right."**

SEASON'S GREETINGS!